

Legend

- Bound Brook Centerline (RM)
- Dams (Natural and Manmade)
- Pipes Crossing the Brook
- Shoreline
- Former Cornell Dublier Electronics Facility
- T1-A Sample Location ID

Panel A

Texture

- Coarse Sand
- Coarse to Fine Sand
- Coarse to Medium Sand
- Medium to Fine Sand
- Fine Sand
- Silt
- Silt with Clay
- Clay with Silt
- Cobbles
- Gravel
- Hard Bottom

New Market Pond

- Sand as interpreted by the side scan sonar
- Rock-Gravel-Sand as interpreted by the side scan sonar
- Silt as interpreted by the side scan sonar

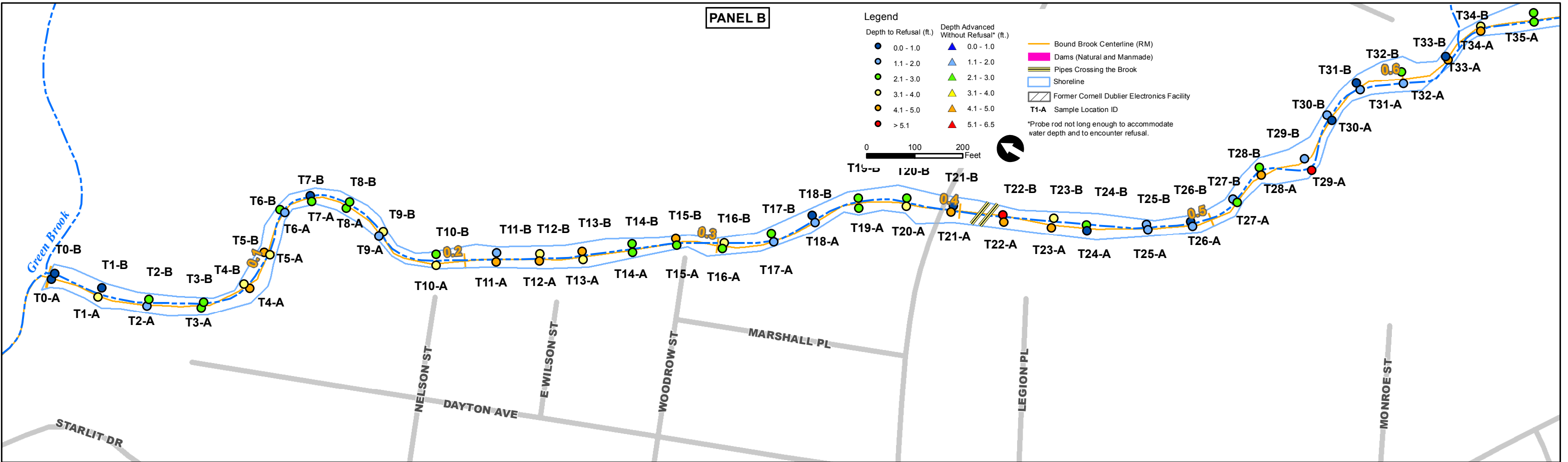
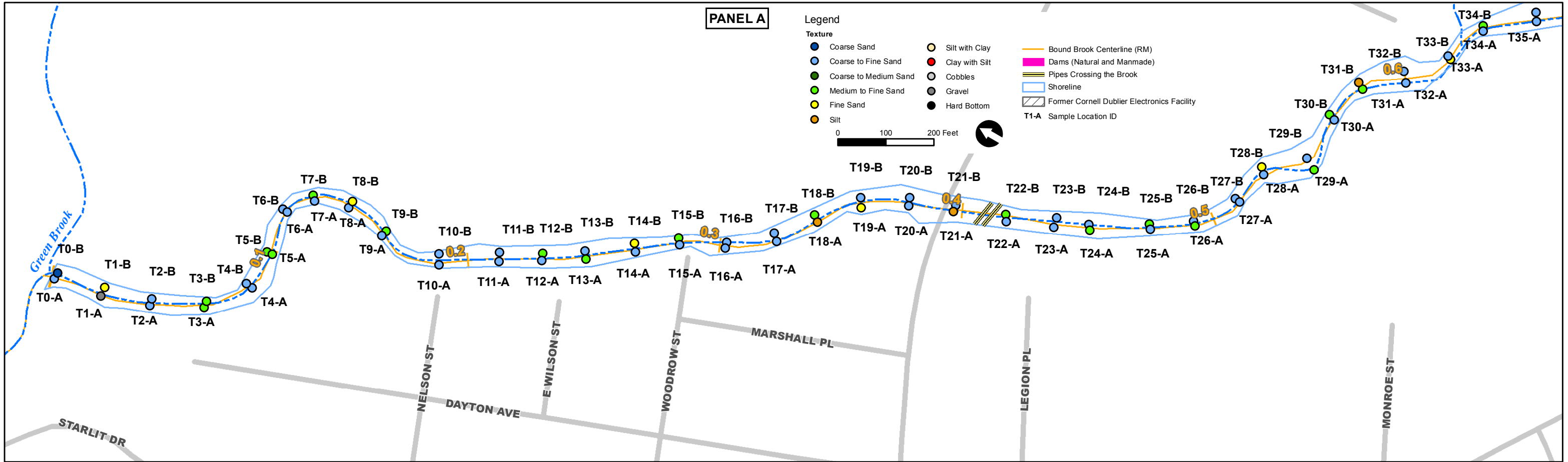
Panel B

- | Depth to Refusal (ft.) | Depth Advanced Without Refusal* (ft.) |
|------------------------|---------------------------------------|
| 0.0 - 1.0 | 0.0 - 1.0 |
| 1.1 - 2.0 | 1.1 - 2.0 |
| 2.1 - 3.0 | 2.1 - 3.0 |
| 3.1 - 4.0 | 3.1 - 4.0 |
| 4.1 - 5.0 | 4.1 - 5.0 |
| > 5.1 | 5.1 - 6.5 |

*Probe rod not long enough to accommodate water depth and to encounter refusal.

Sources:
1) Background Data - Street Information, NJDOT, 2012; Streams, NJDEP, 2002.
2) Shoreline was adapted from a Tetra Tech, Inc. shoreline shapefile, which was adjusted to be consistent with information collected in the field, aerial imagery provided by Penoni Associates, Inc., and 2002 aerial imagery from the New Jersey Office of Information Technology (Office of GIS).
3) "Hard bottom" is a generic term that covers all types of hard material that the probe rod could not penetrate (e.g., cinderblocks, rip-rap, bedrock, rock, or hard debris). Only exposed bedrock at the surface can be visually identified and confidently classified as "weathered, fractured bedrock."



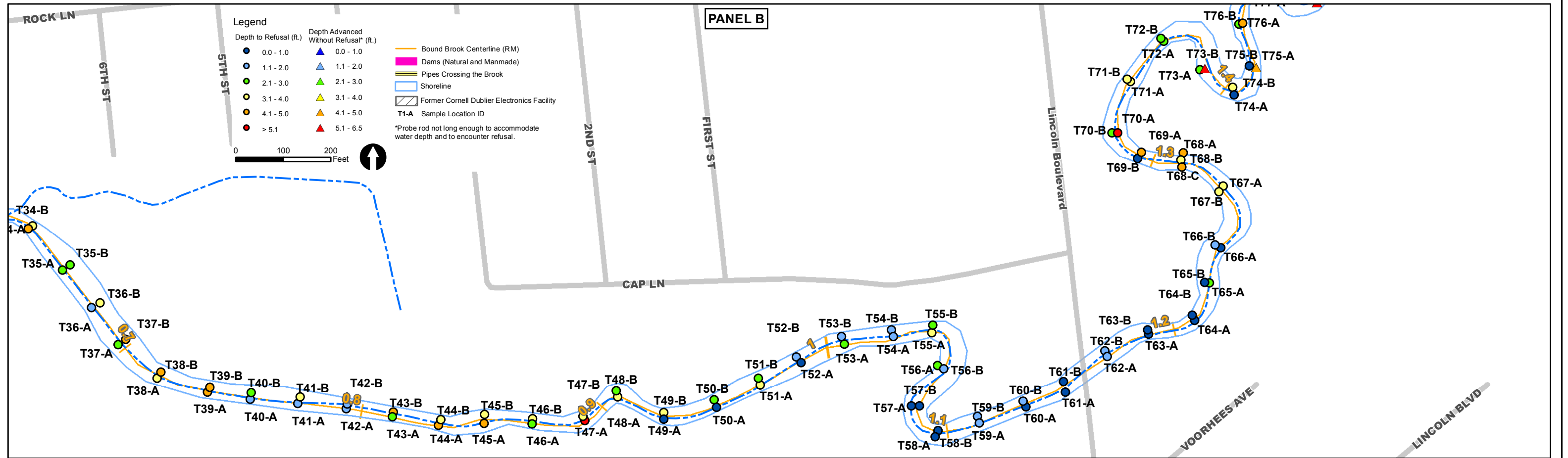
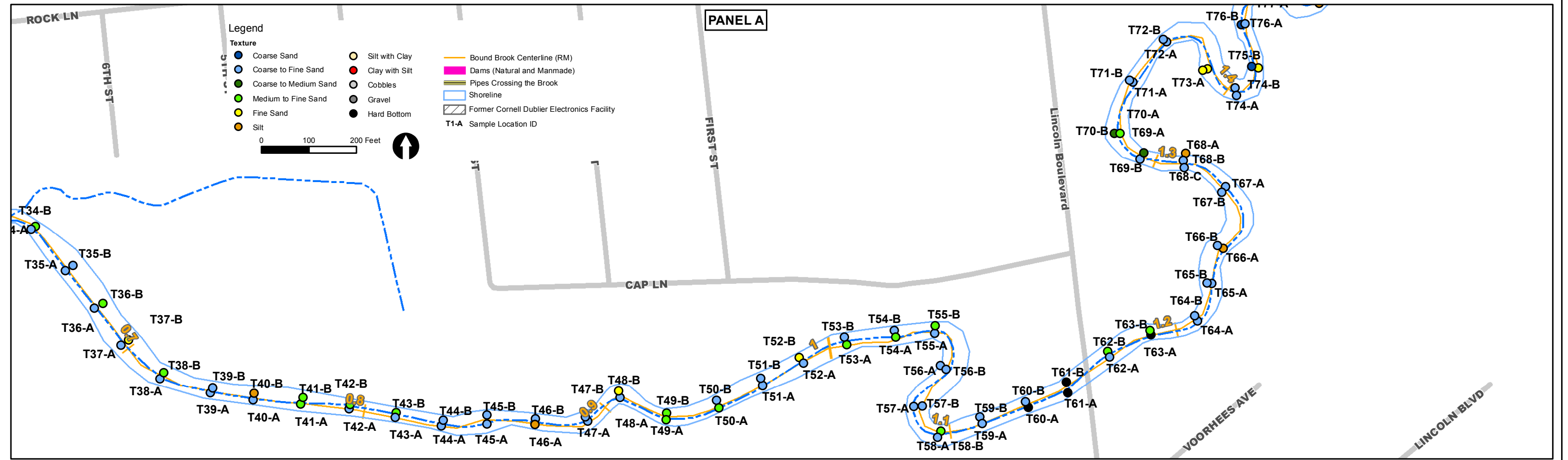


Cornell-Dublier Electronics
Superfund Site
South Plainfield, New Jersey

Sediment Probing Interpretation
Panel A: Surface Sediment Texture and Panel B: Depth of Refusal
Bound Brook OU4 RI/FS

2014

Figure 3-2
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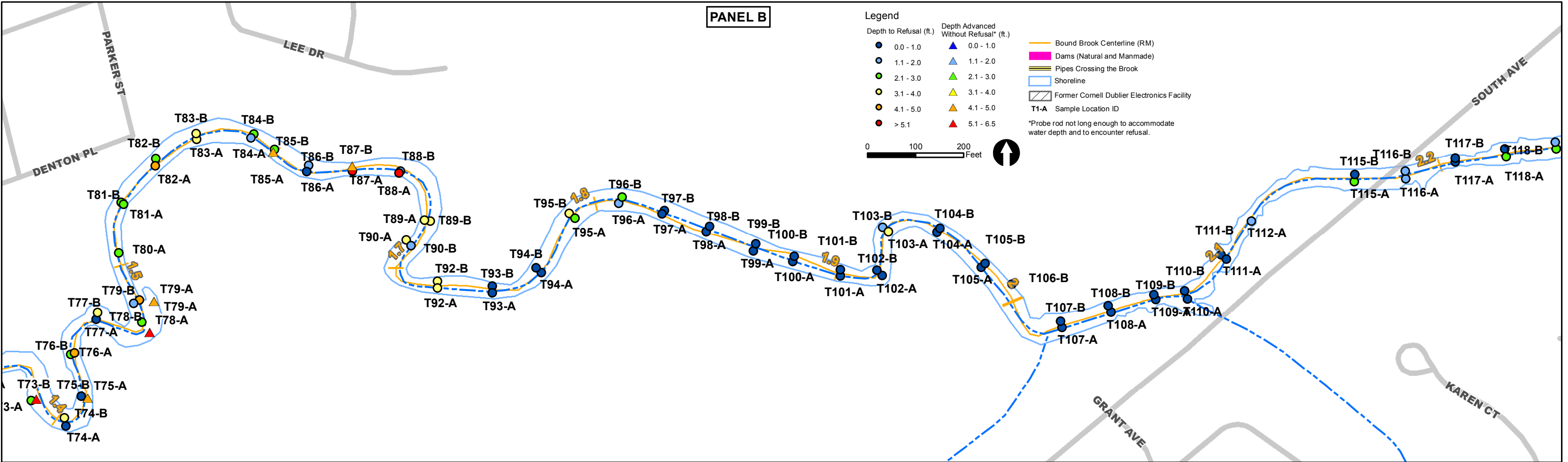
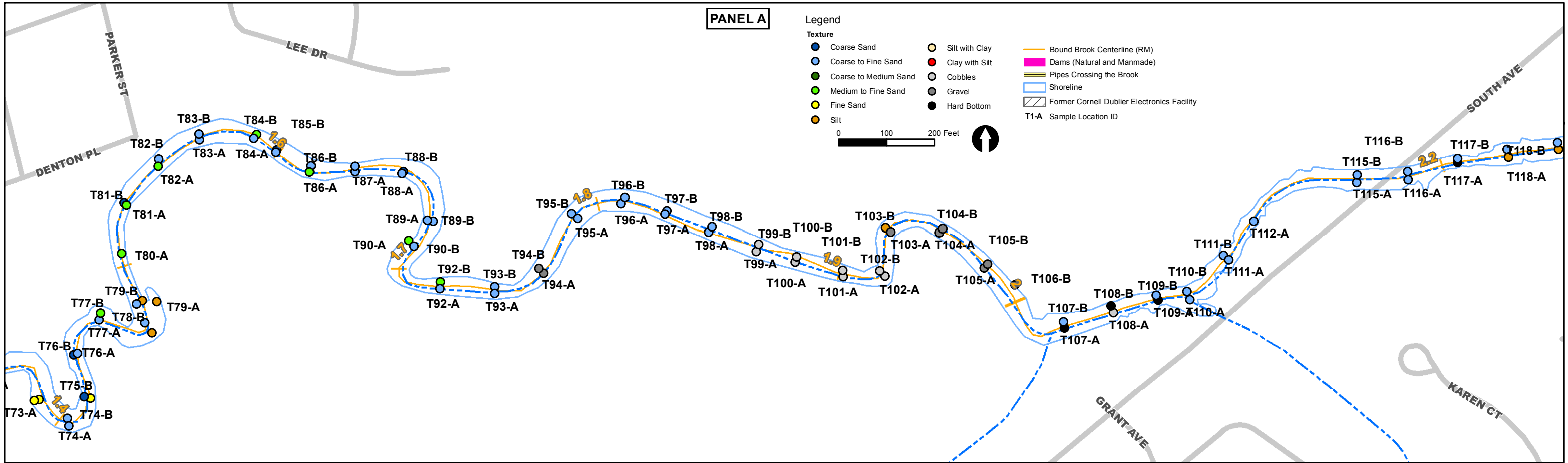


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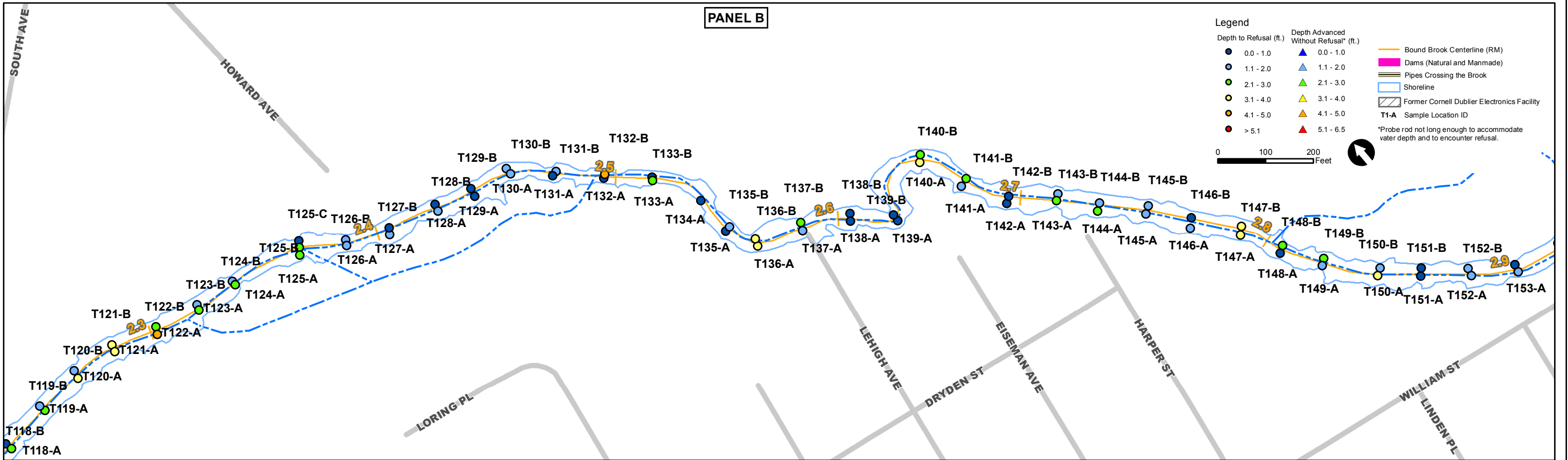
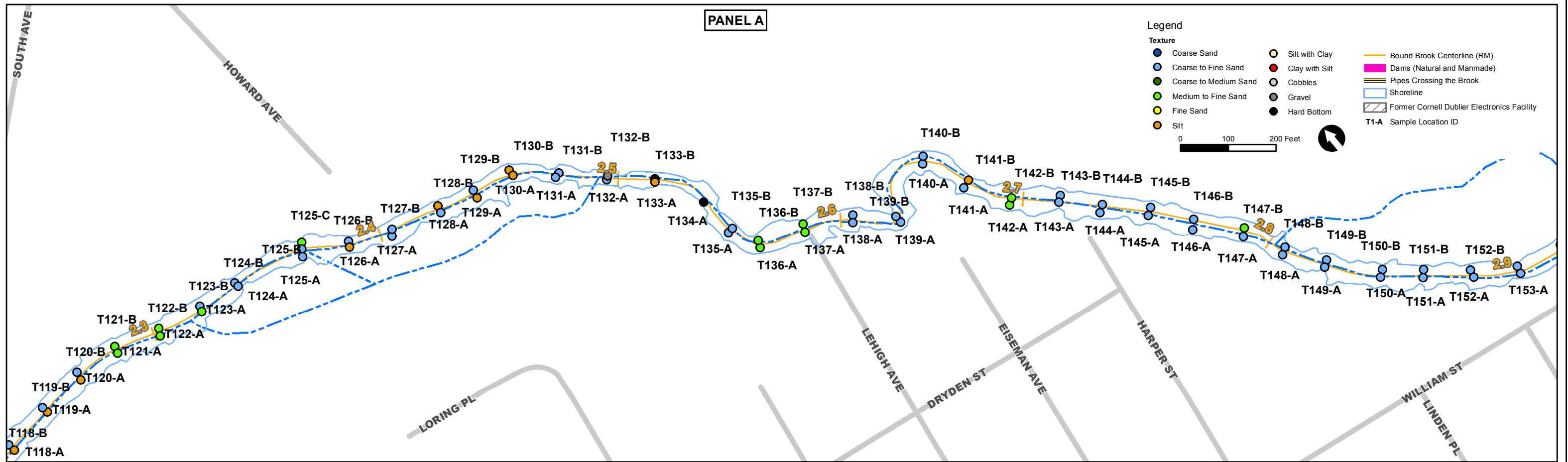


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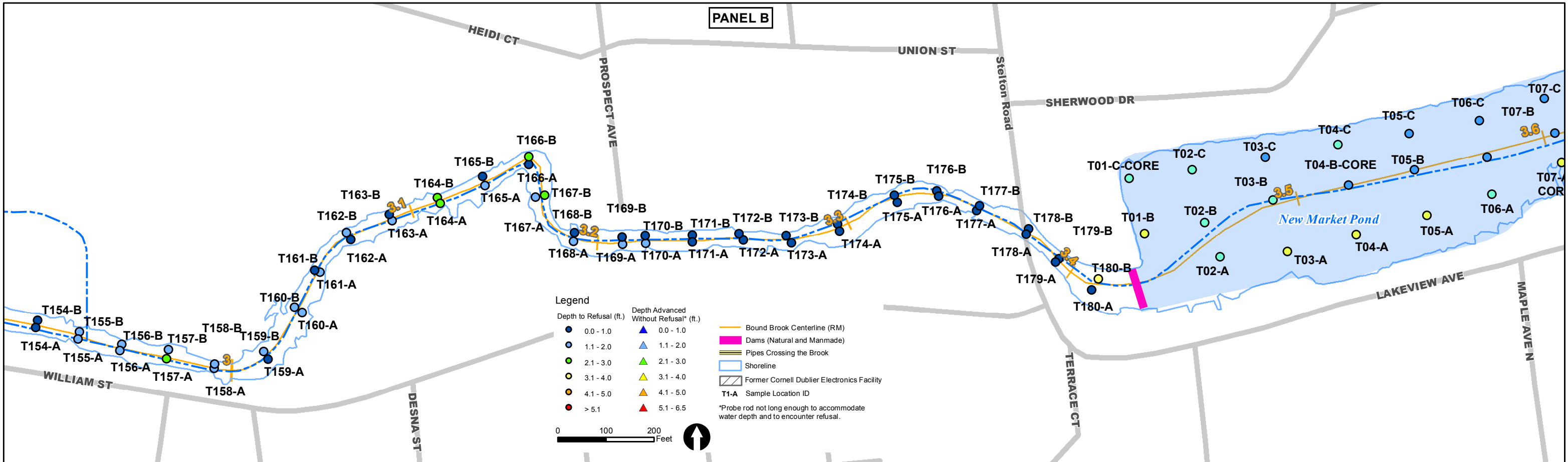
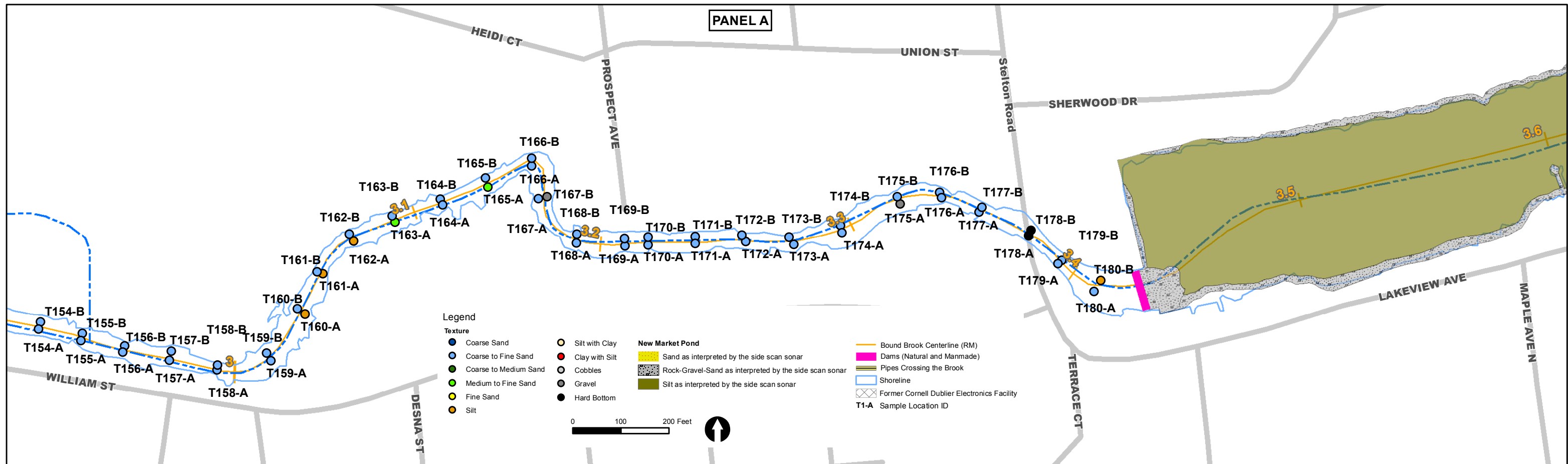


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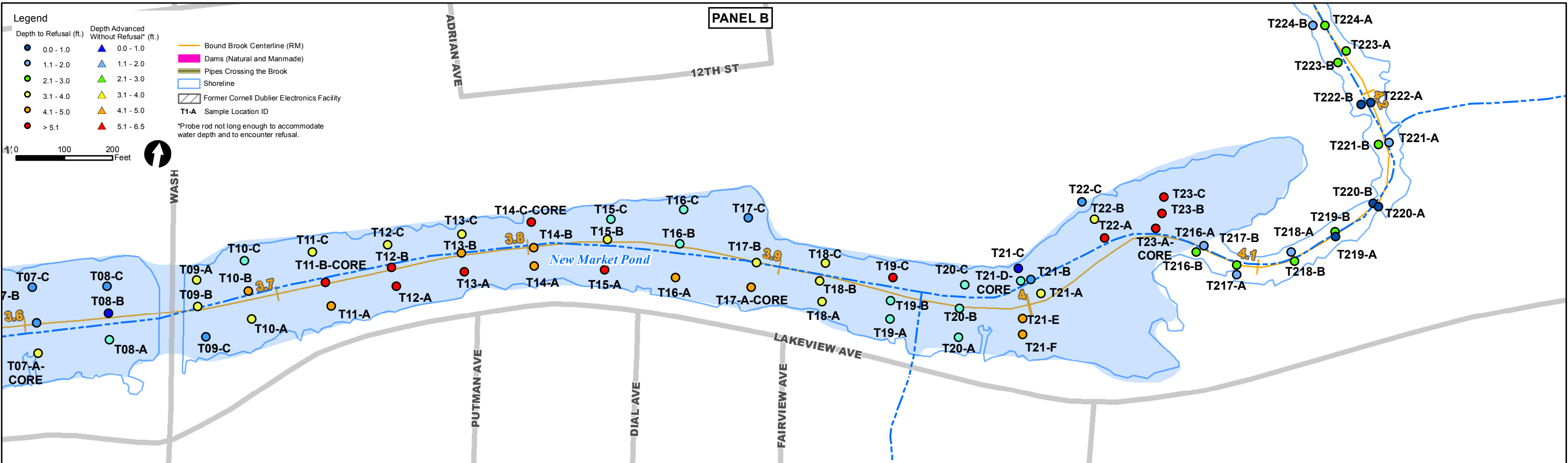
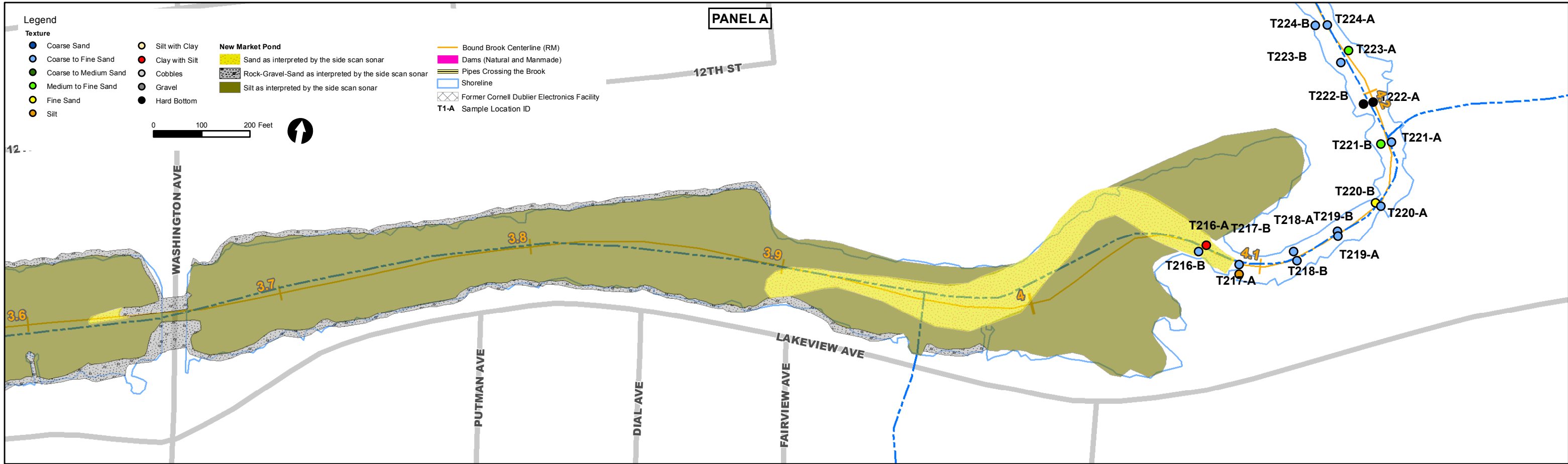
Figure 3-2
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Bound Brook OU4 RI/FS

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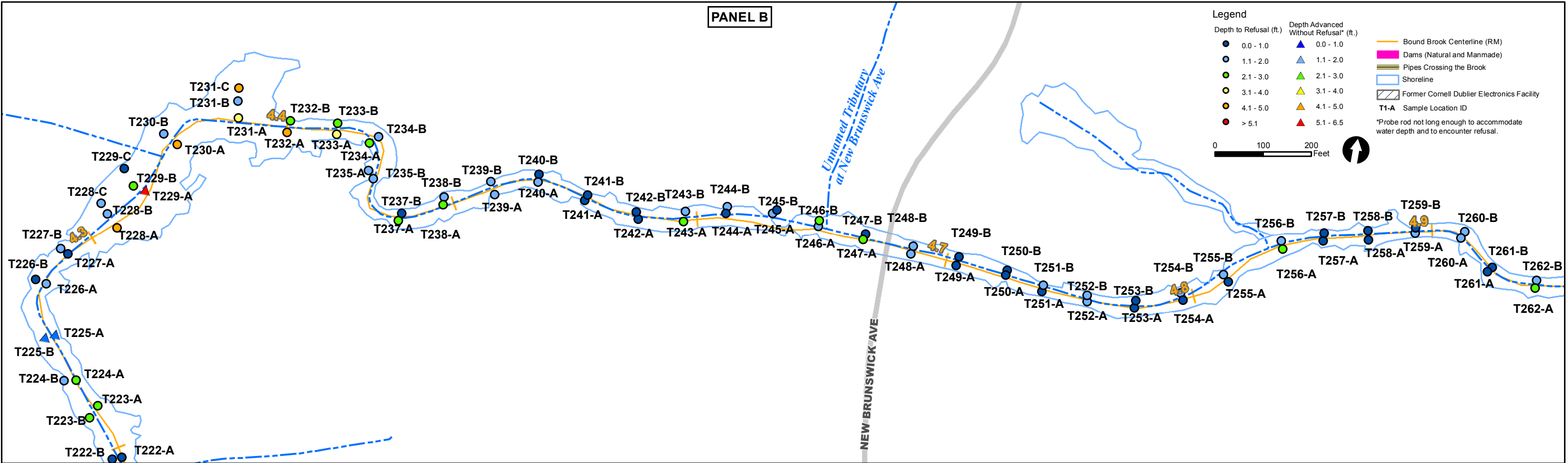
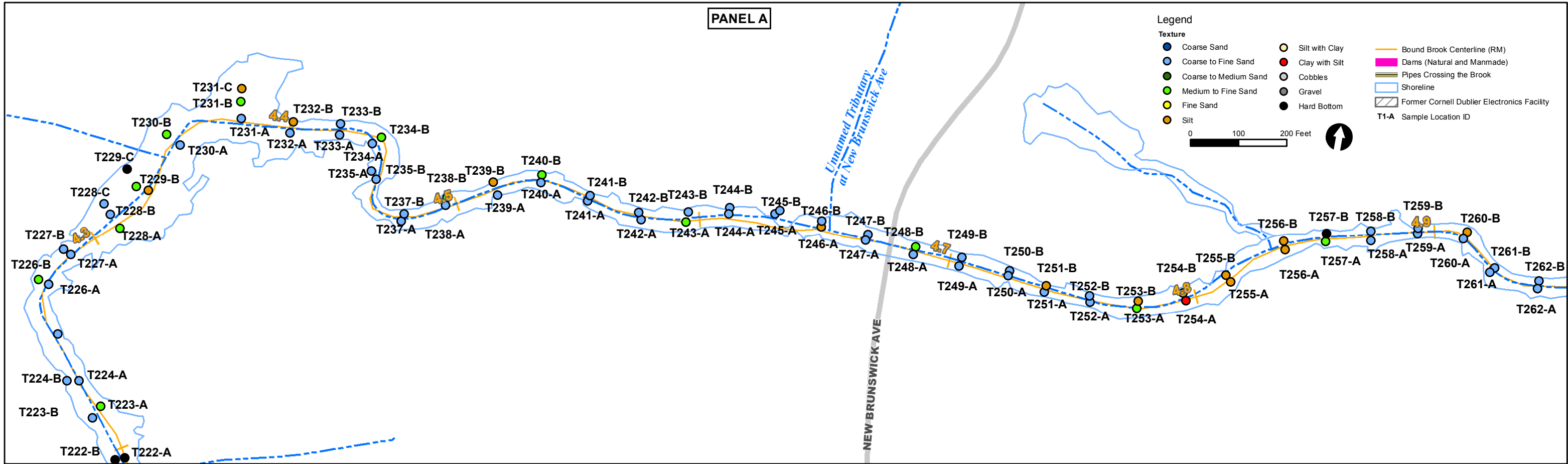


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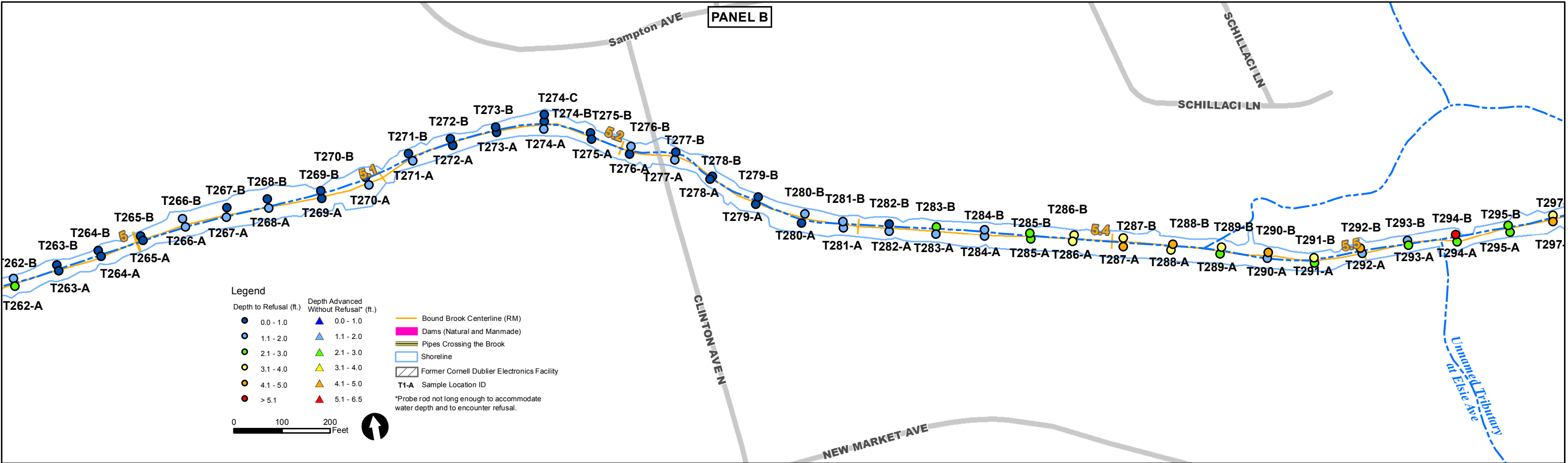
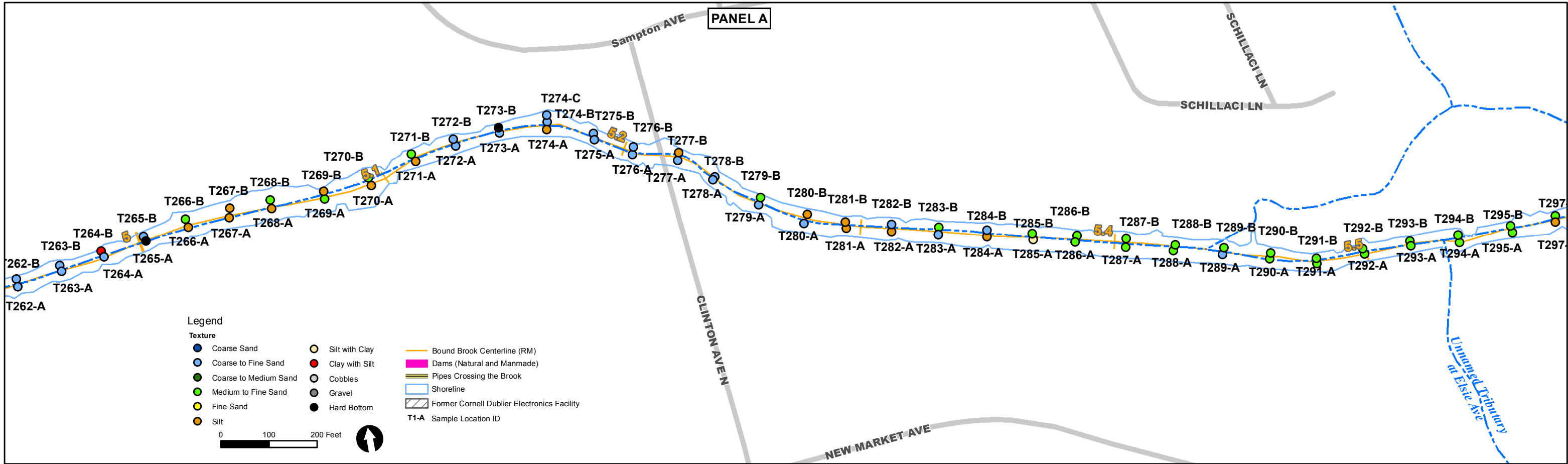


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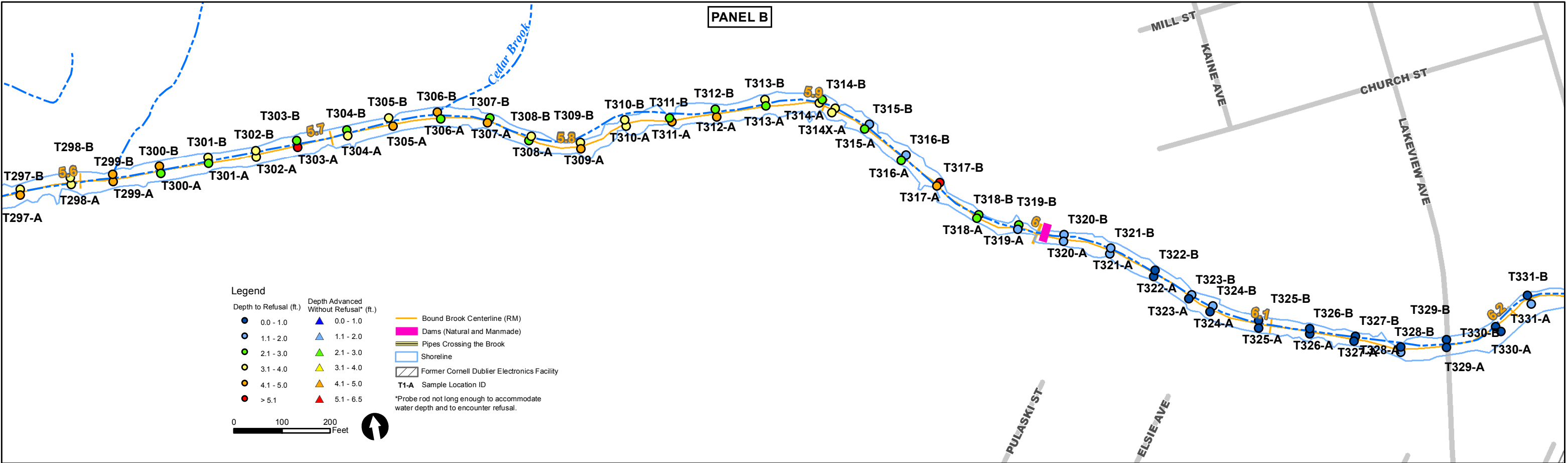
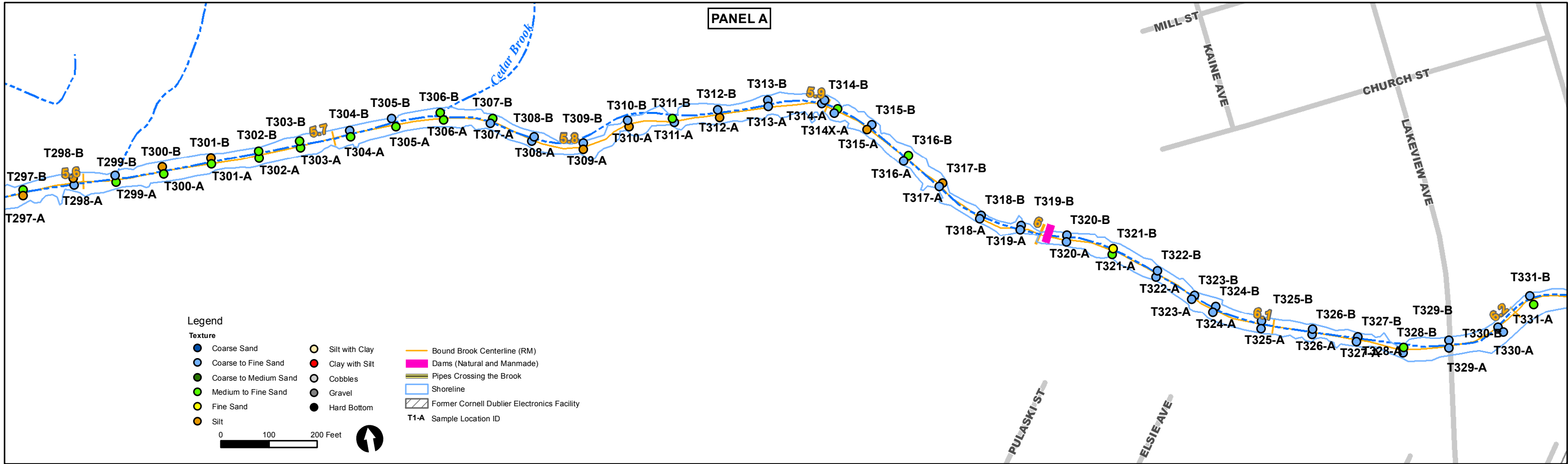


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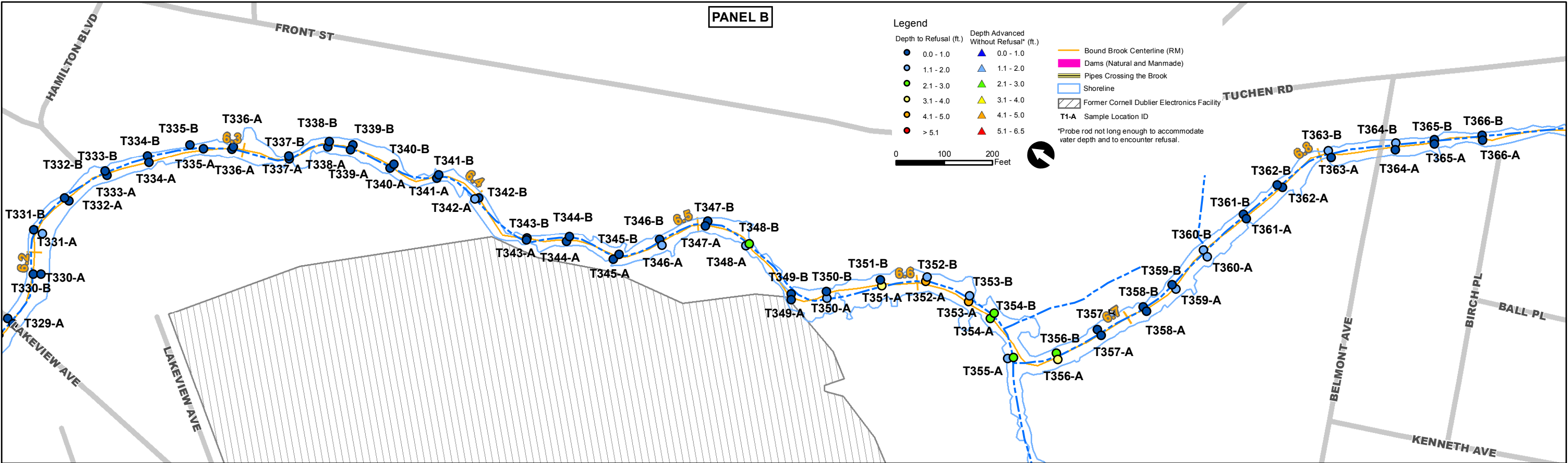
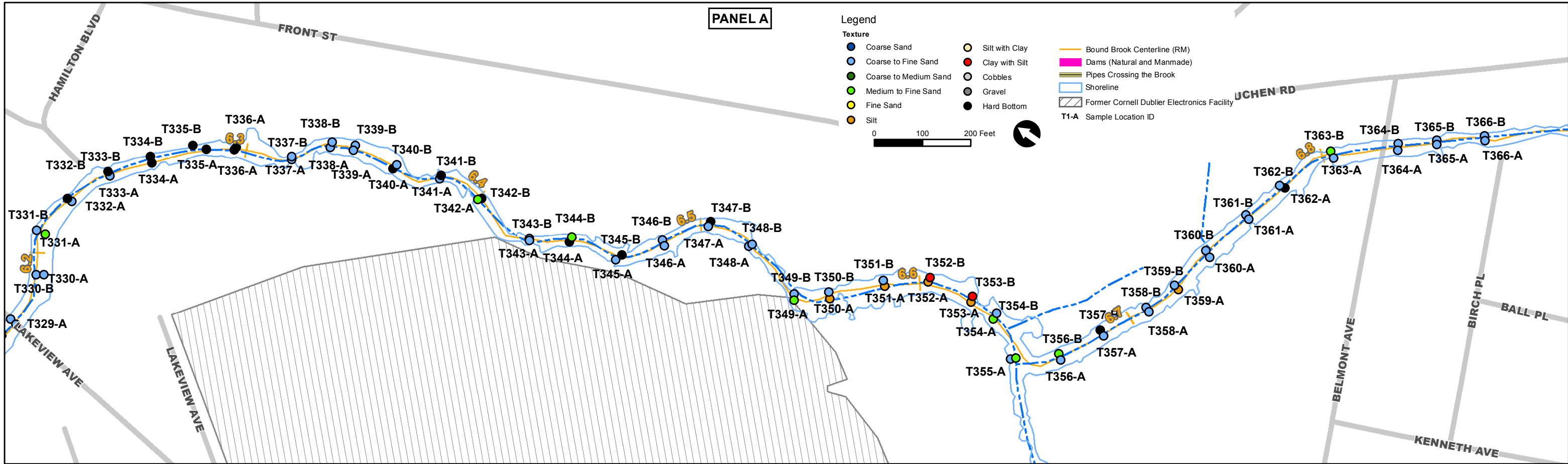
Figure 3-2
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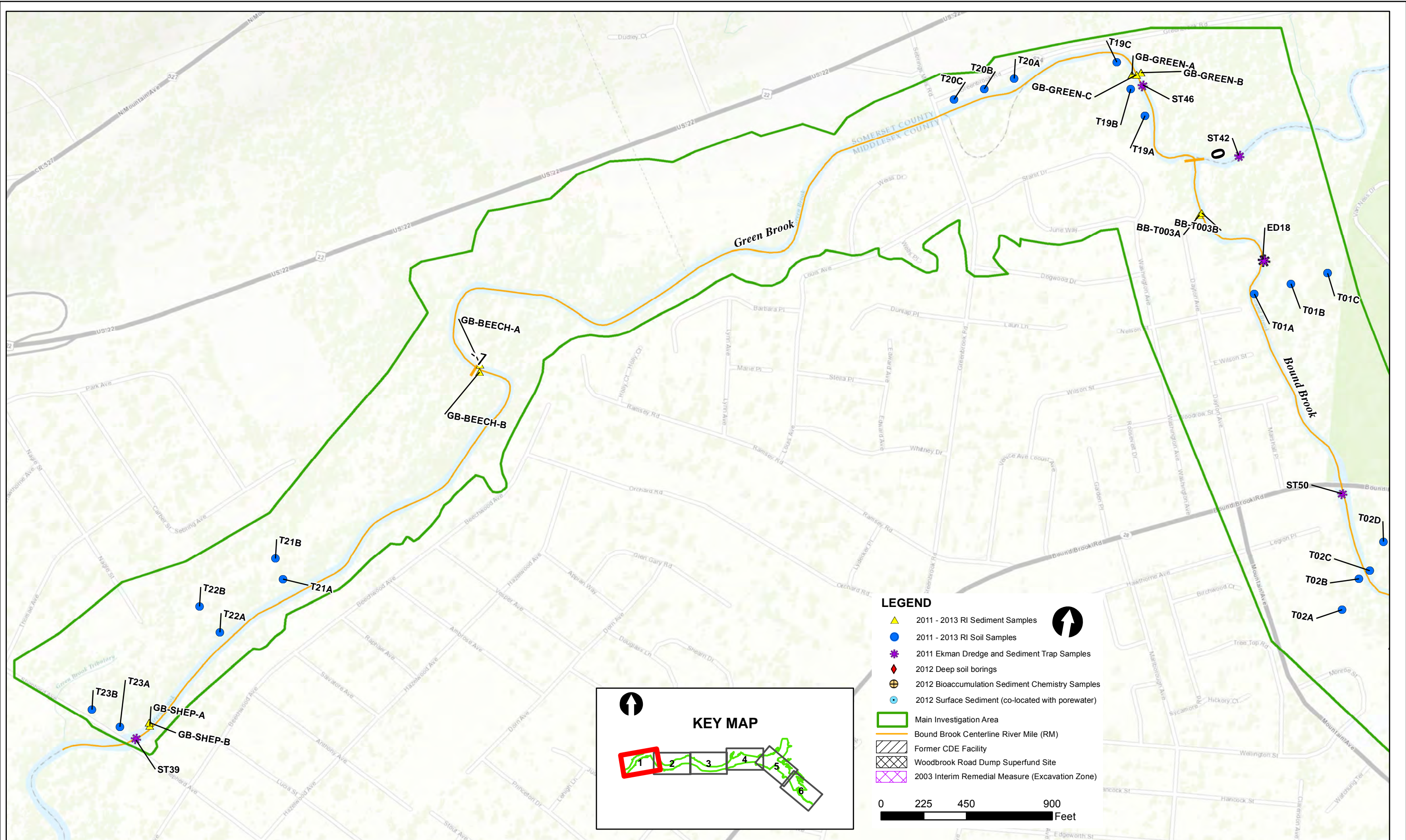


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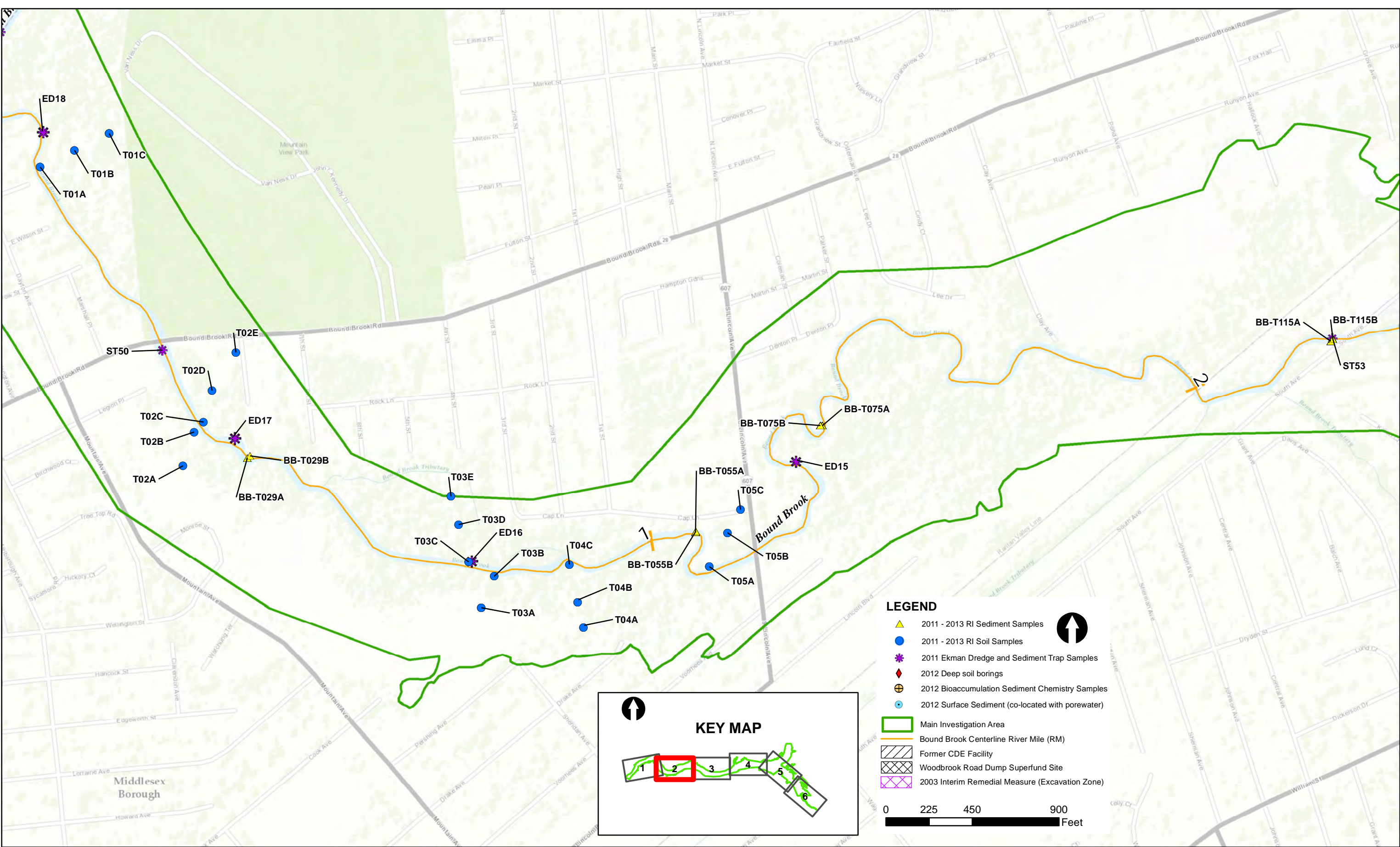
Figure 3-2
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Cornell-Dubilier Electronics
Superfund Site
South Plainfield, New Jersey

2011-2013 RI Sediment and Soil Sampling Location
Bound Brook OU4 RI/FS

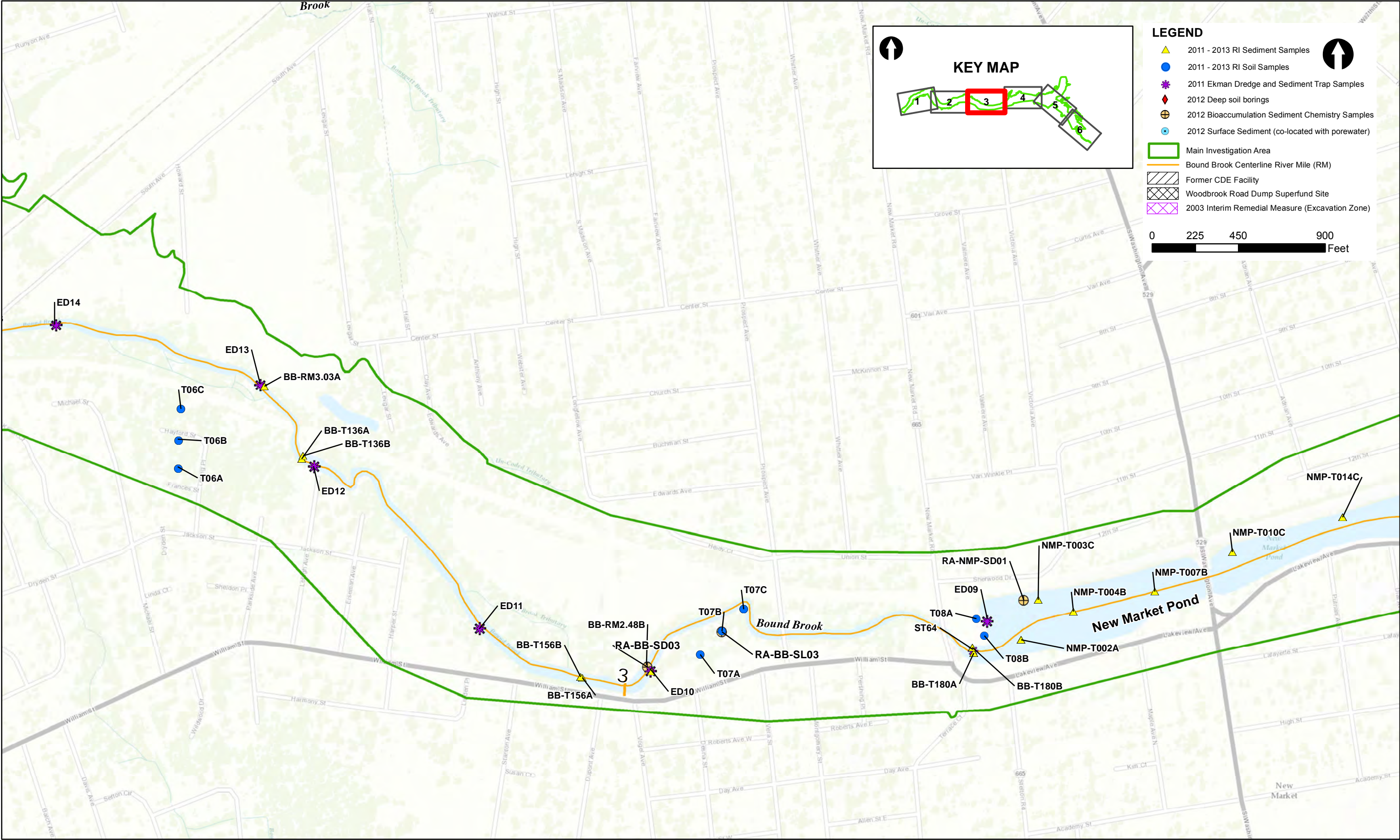
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Figure 3-3
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South Plainfield, New Jersey

2011-2013 RI Sediment and Soil Sampling Location
Bound Brook OU4 RI/FS

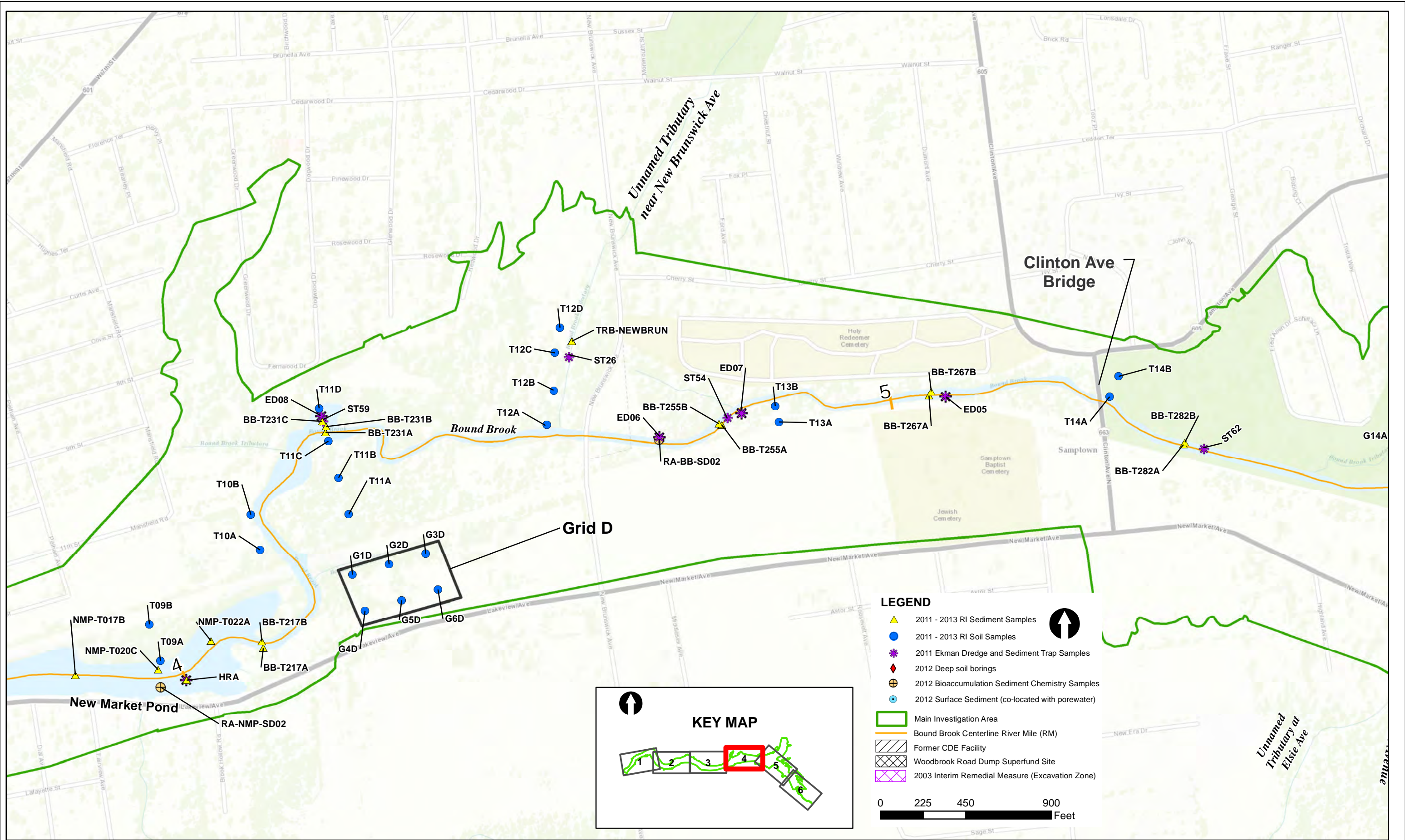
2014
Figure 3-3
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Cornell-Dubilier Electronics
Superfund Site
South Plainfield, New Jersey

2011-2013 RI Sediment and Soil Sampling Location
Bound Brook OU4 RI/FS

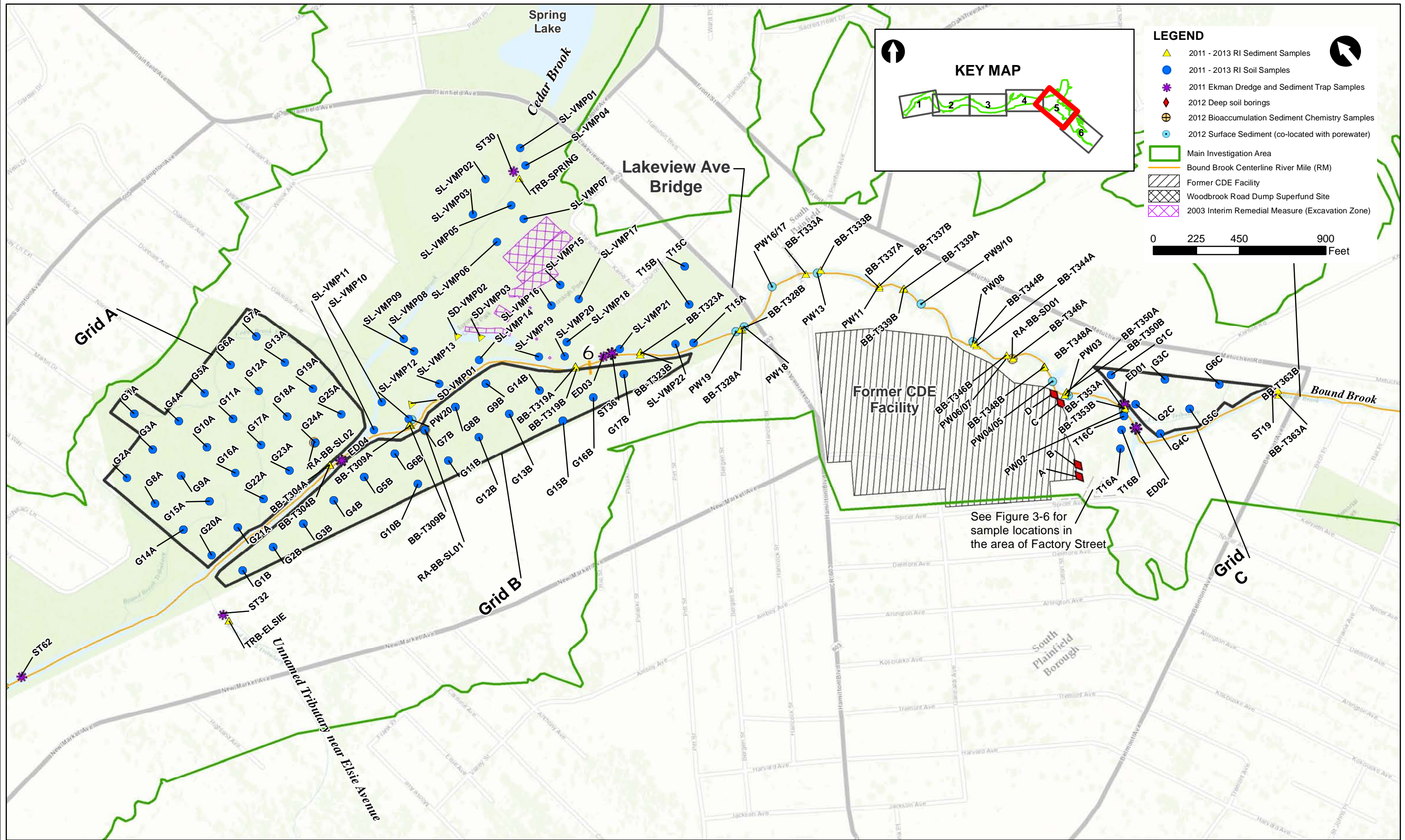
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Figure 3-3
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Cornell-Dubilier Electronics
Superfund Site
South Plainfield, New Jersey

2011-2013 RI Sediment and Soil Sampling Location
Bound Brook OU4 RI/FS

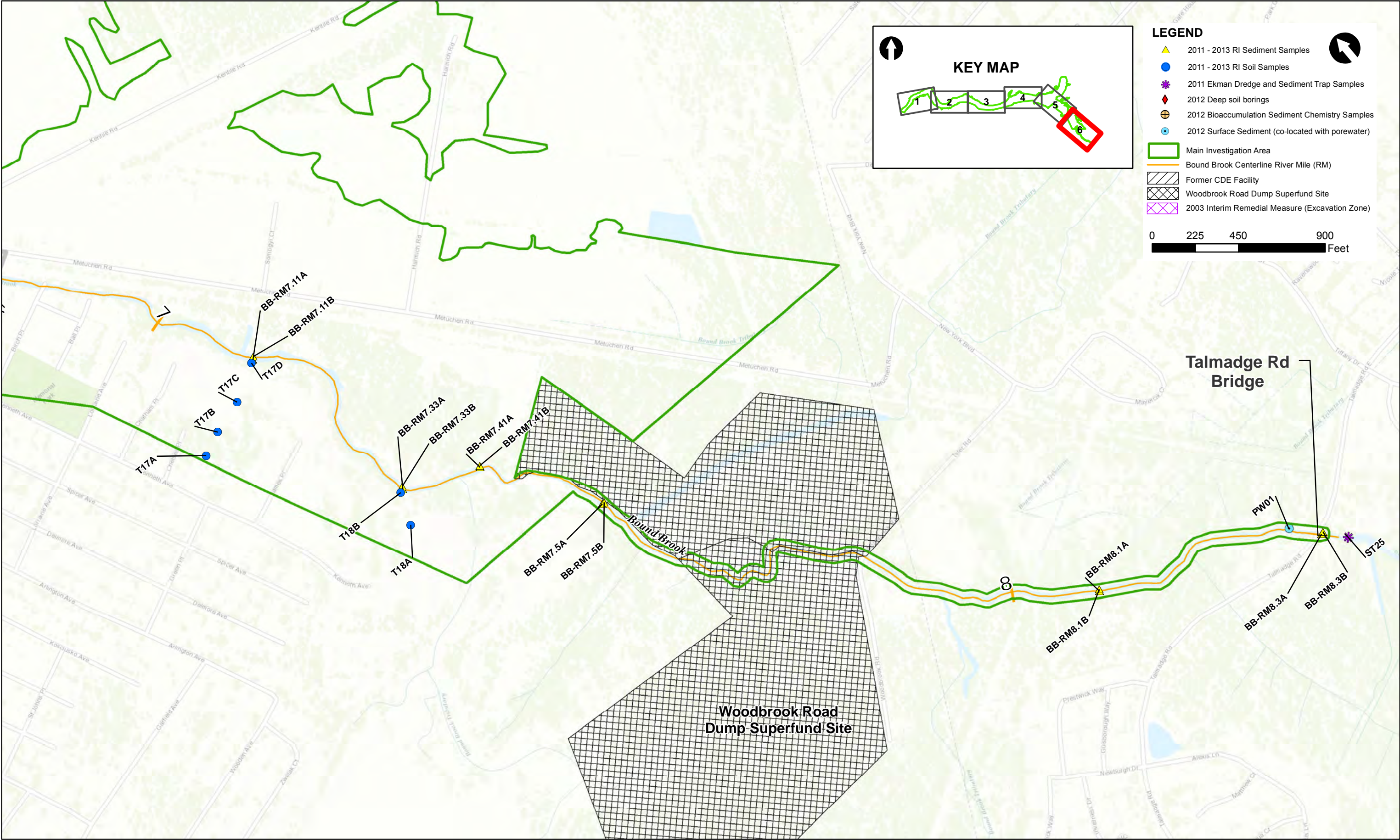
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Figure 3-3
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Superfund Site
South Plainfield, New Jersey

2011-2013 RI Sediment and Soil Sampling Location
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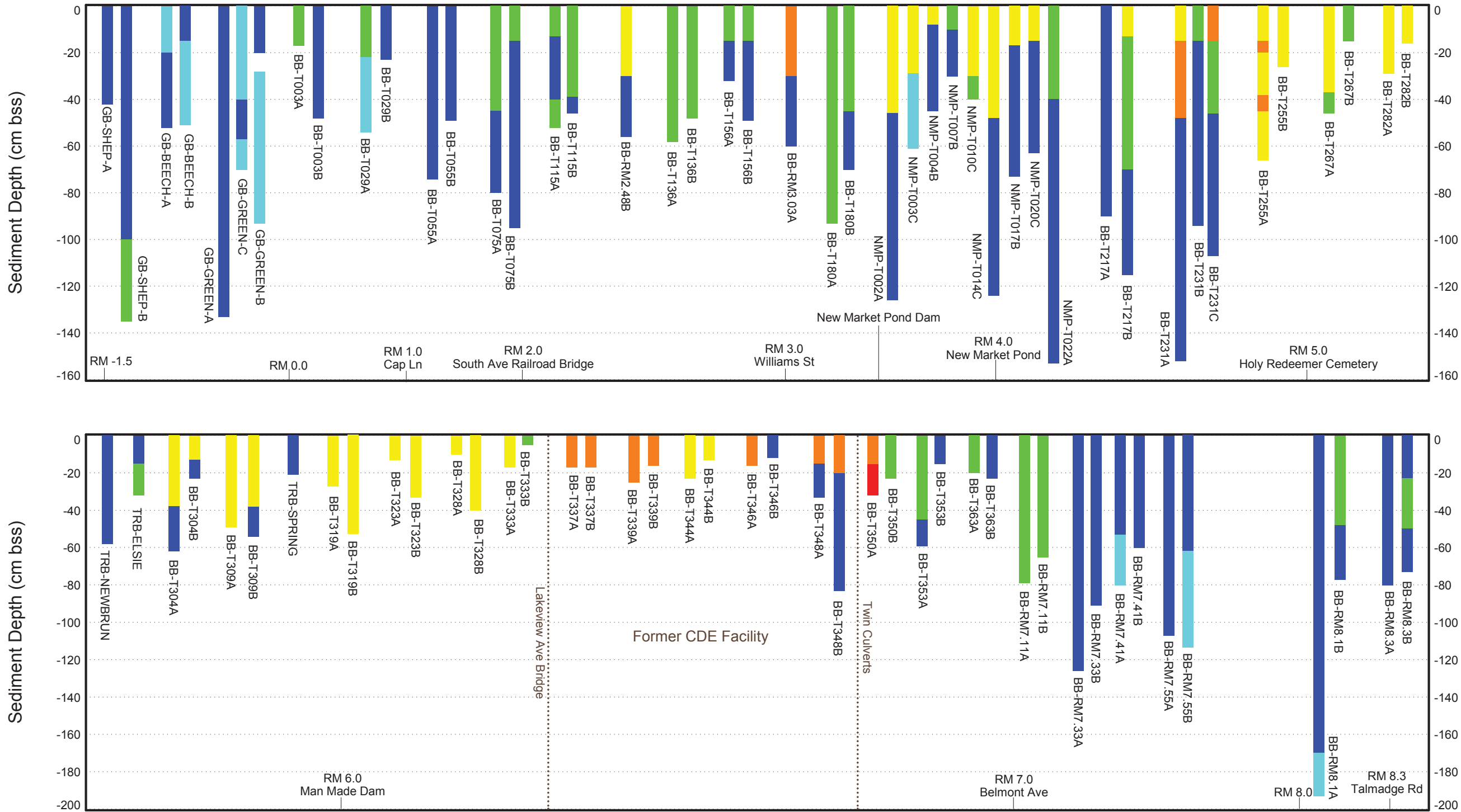
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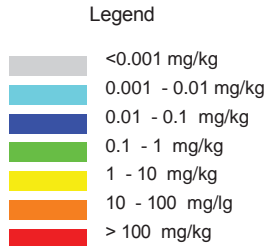
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Superfund Site
South Plainfield, New Jersey

2011-2013 RI Sediment and Soil Sampling Location
Bound Brook OU4 RI/FS

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Figure 3-3
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- Notes:
1. Non-detected concentrations are incorporated into the presentation as equal to their method detection limit.
 2. Rejected concentrations are omitted in the presentation and will be projected as a break in the depth profile.
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 4. Duplicate samples have been omitted from the presentation.
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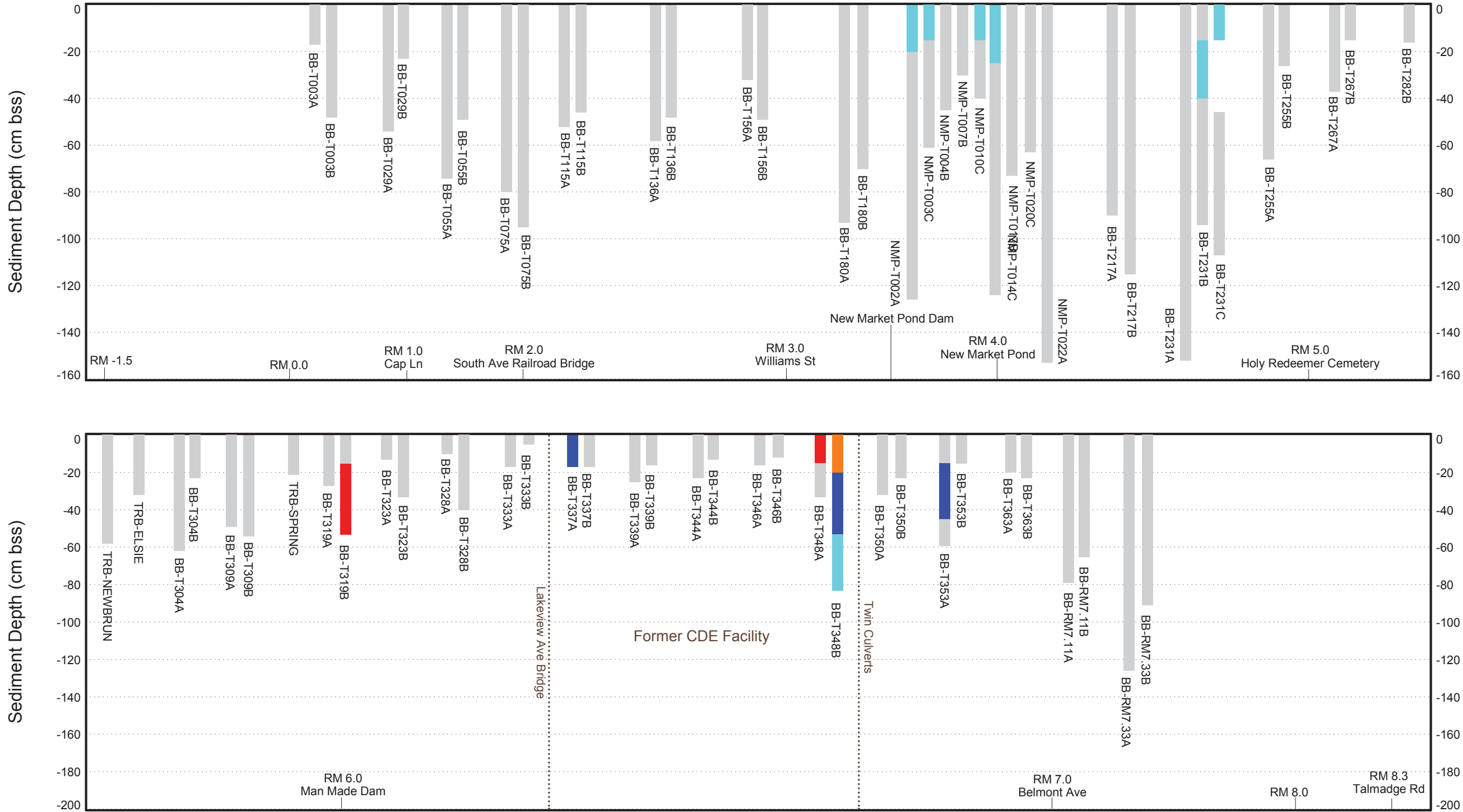


Cornell-Dubilier Electronics Superfund Site
South Plainfield, NJ
Low Resolution Sediment Core Profiles
Bound Brook OU4 RI/FS

**CONCENTRATION-DEPTH PROFILE:
Aroclor-1254**

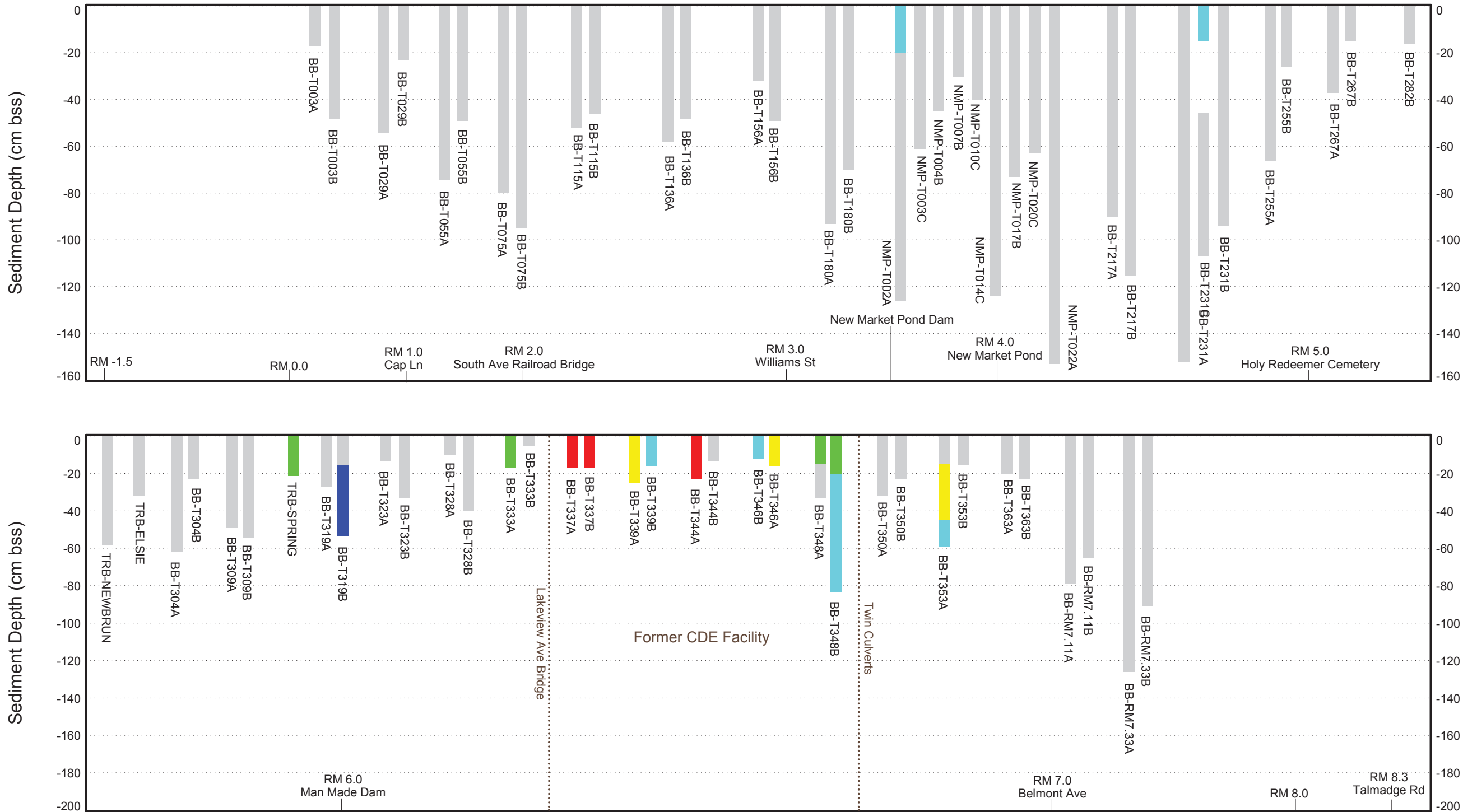
2014

Figure
3-4a



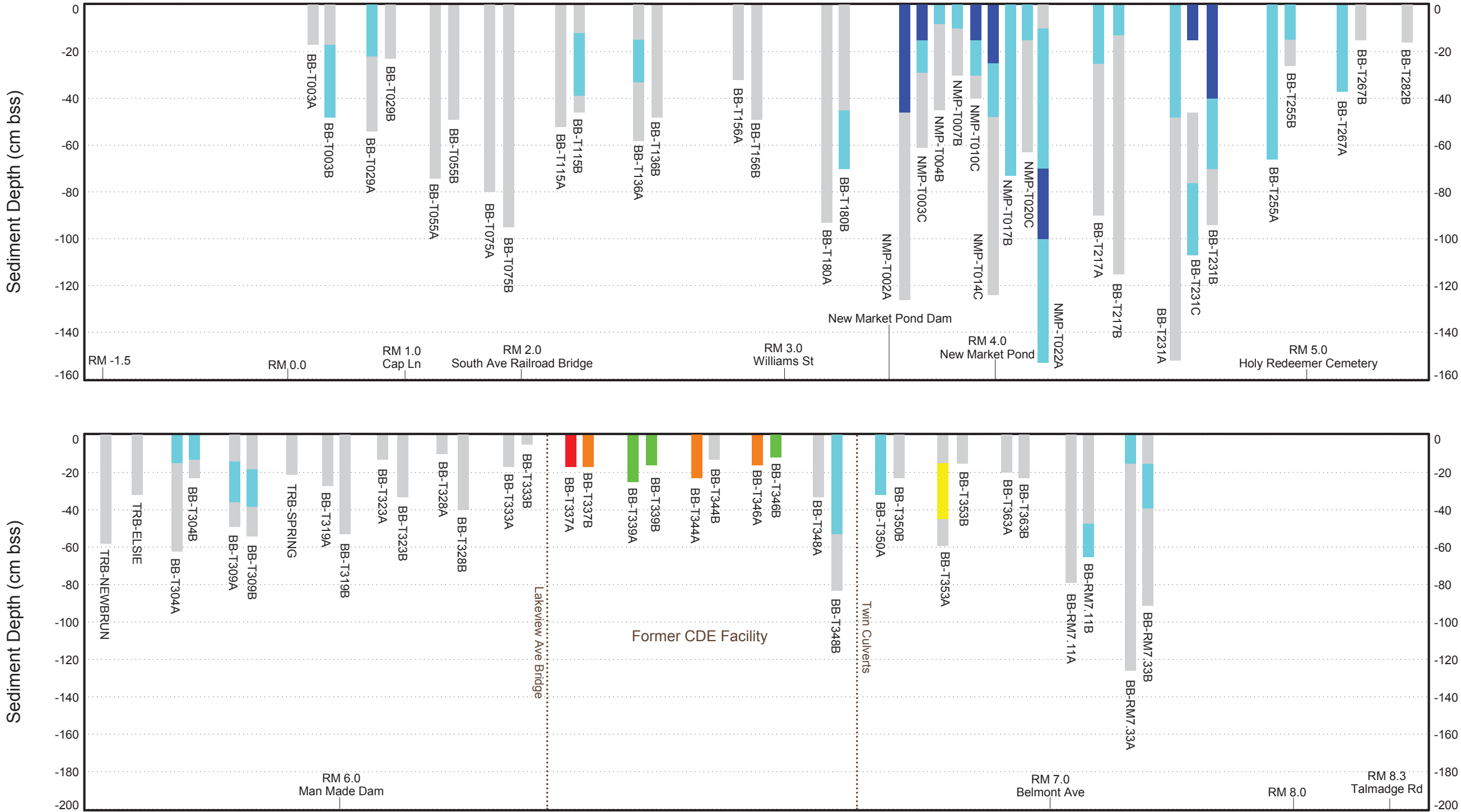
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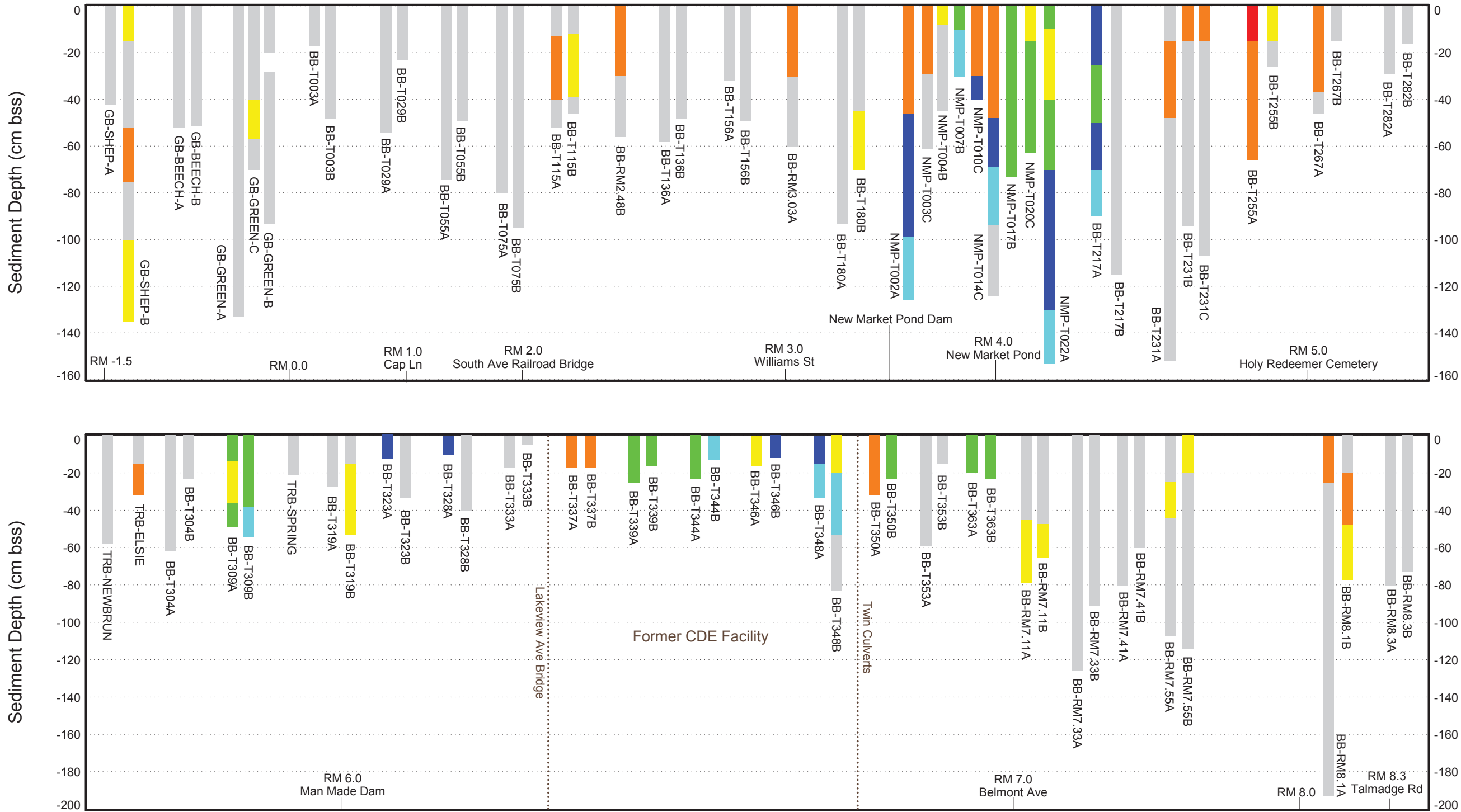
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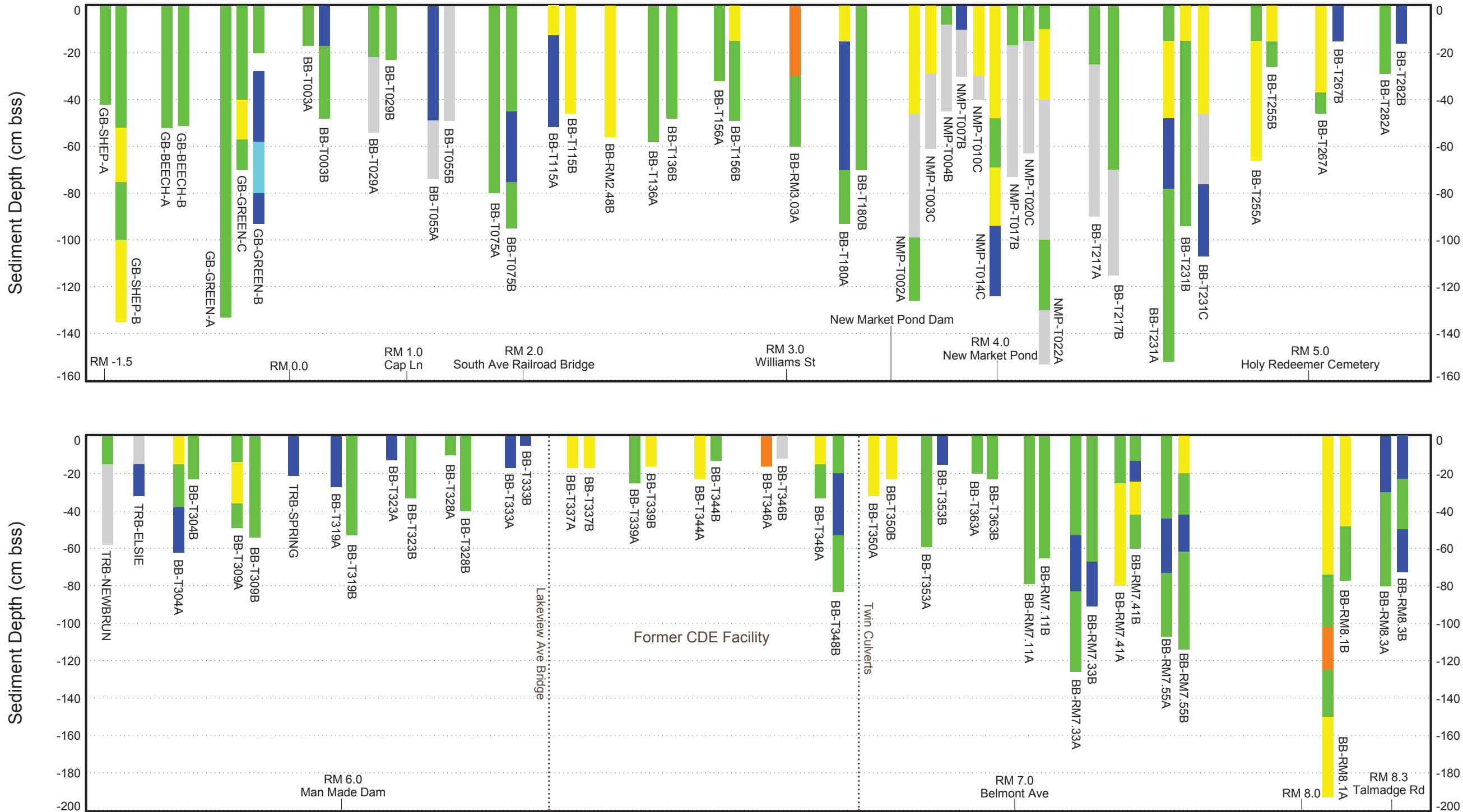
THE Louis Berger Group, INC.

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South Plainfield, NJ
Low Resolution Sediment Core Profiles
Bound Brook OU4 RI/FS

CONCENTRATION-DEPTH PROFILE:
Mercury

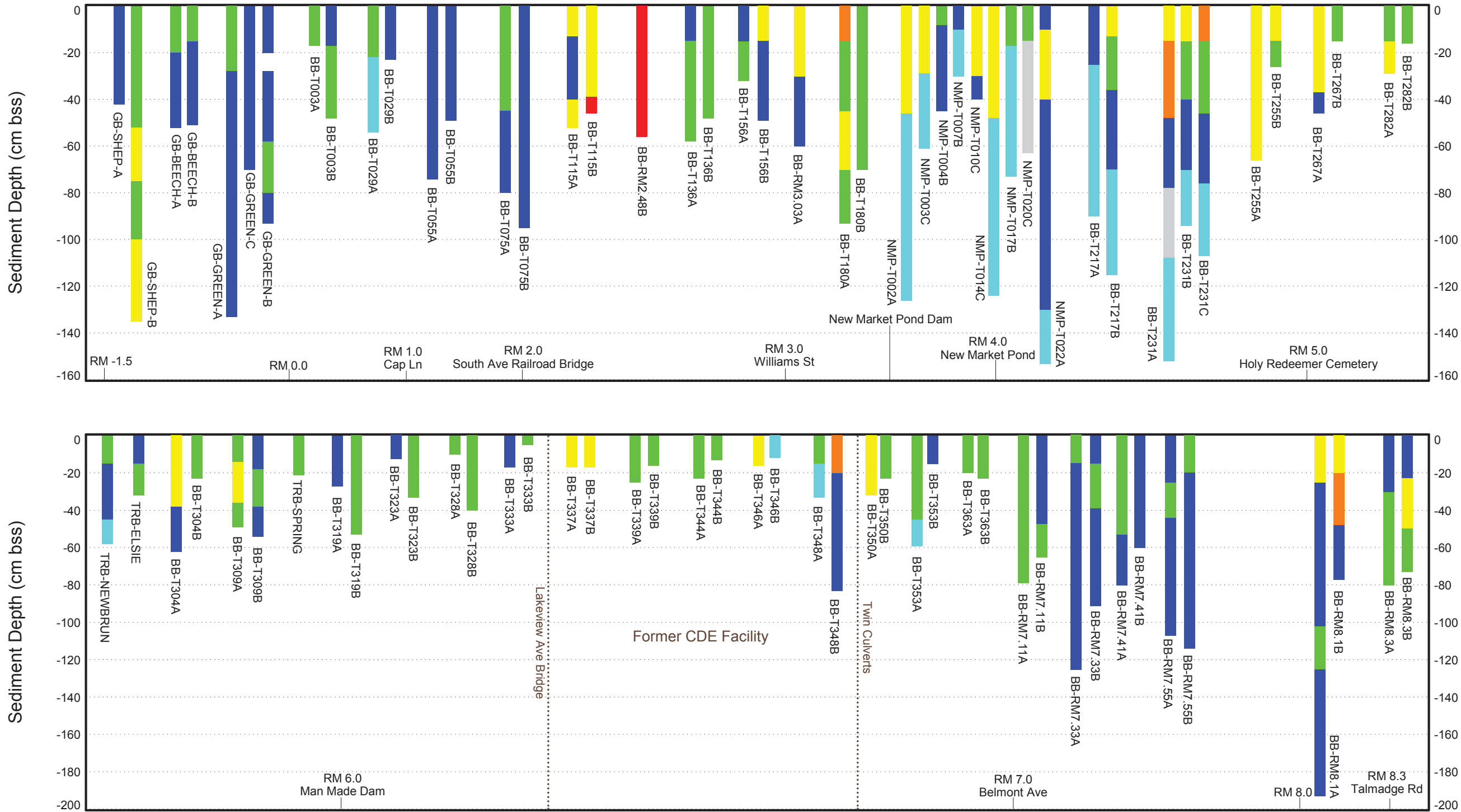
2014

Figure
3-4e

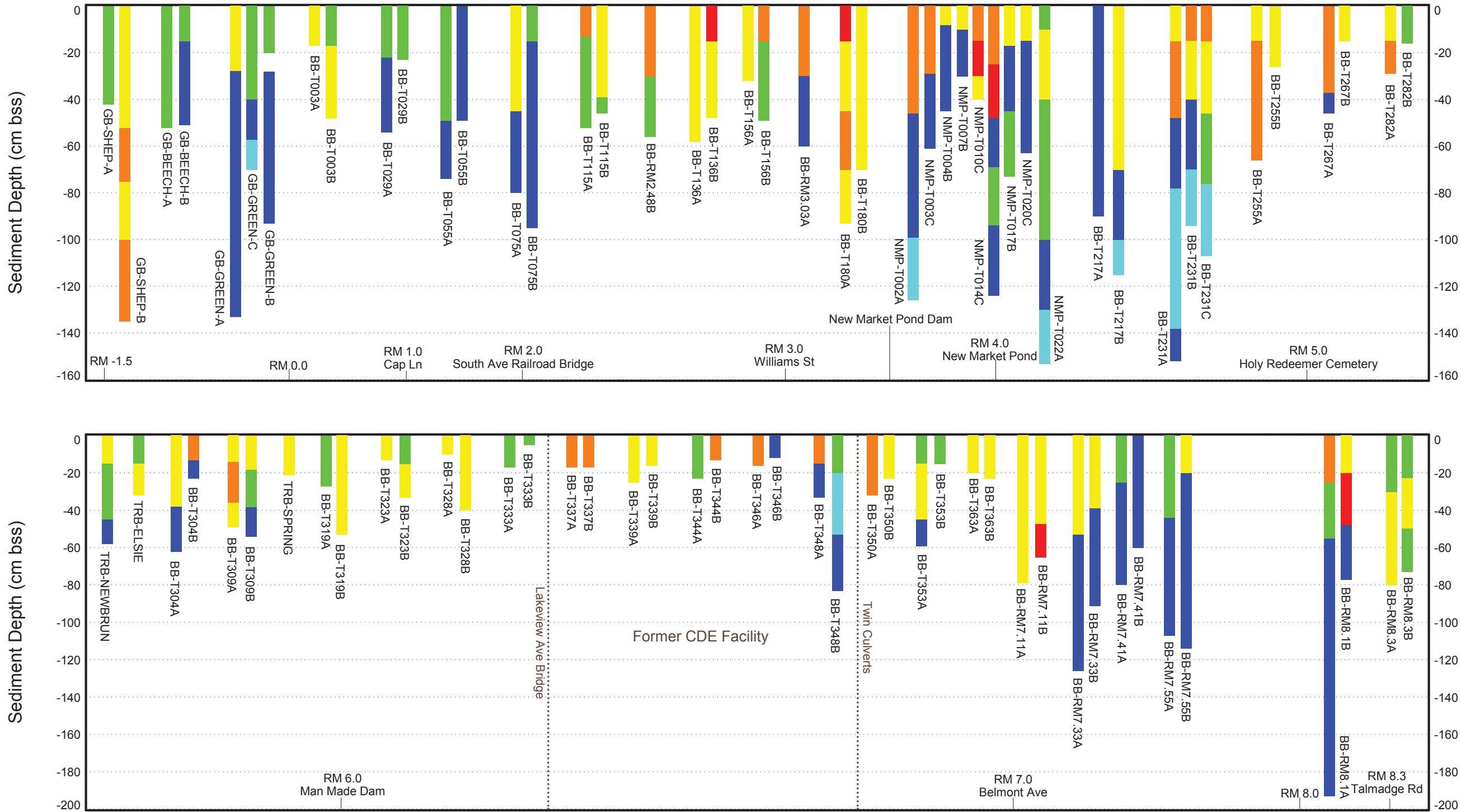


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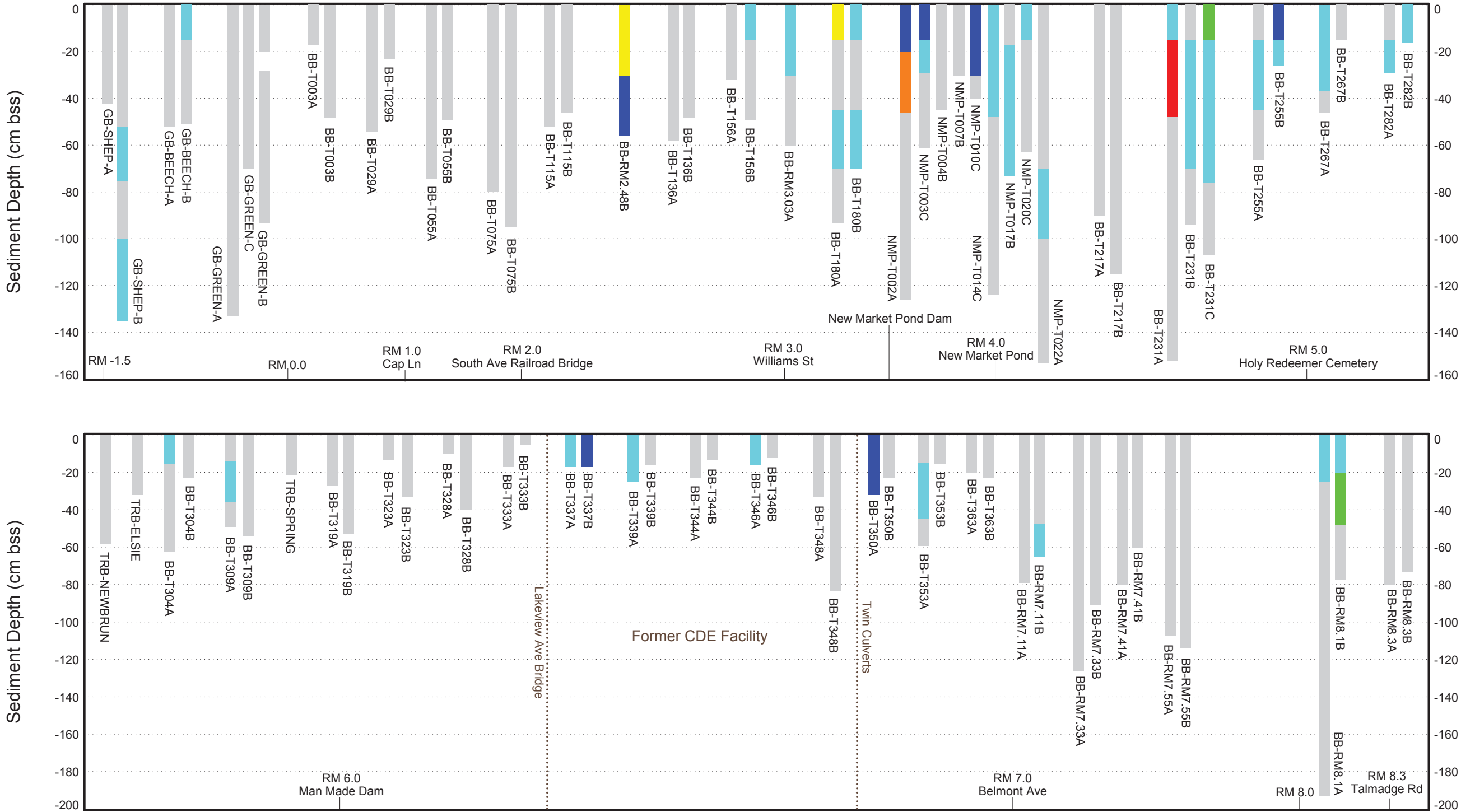


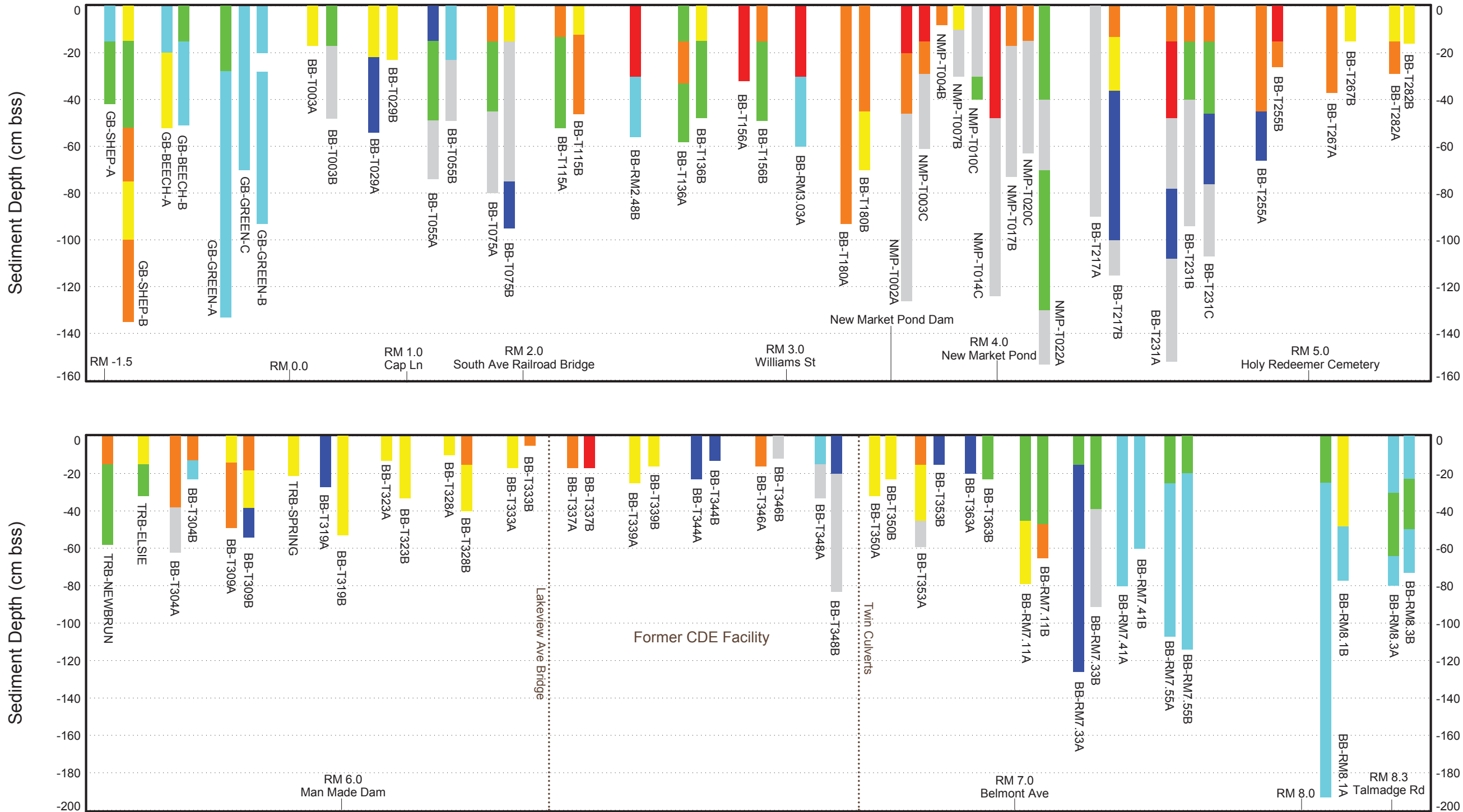
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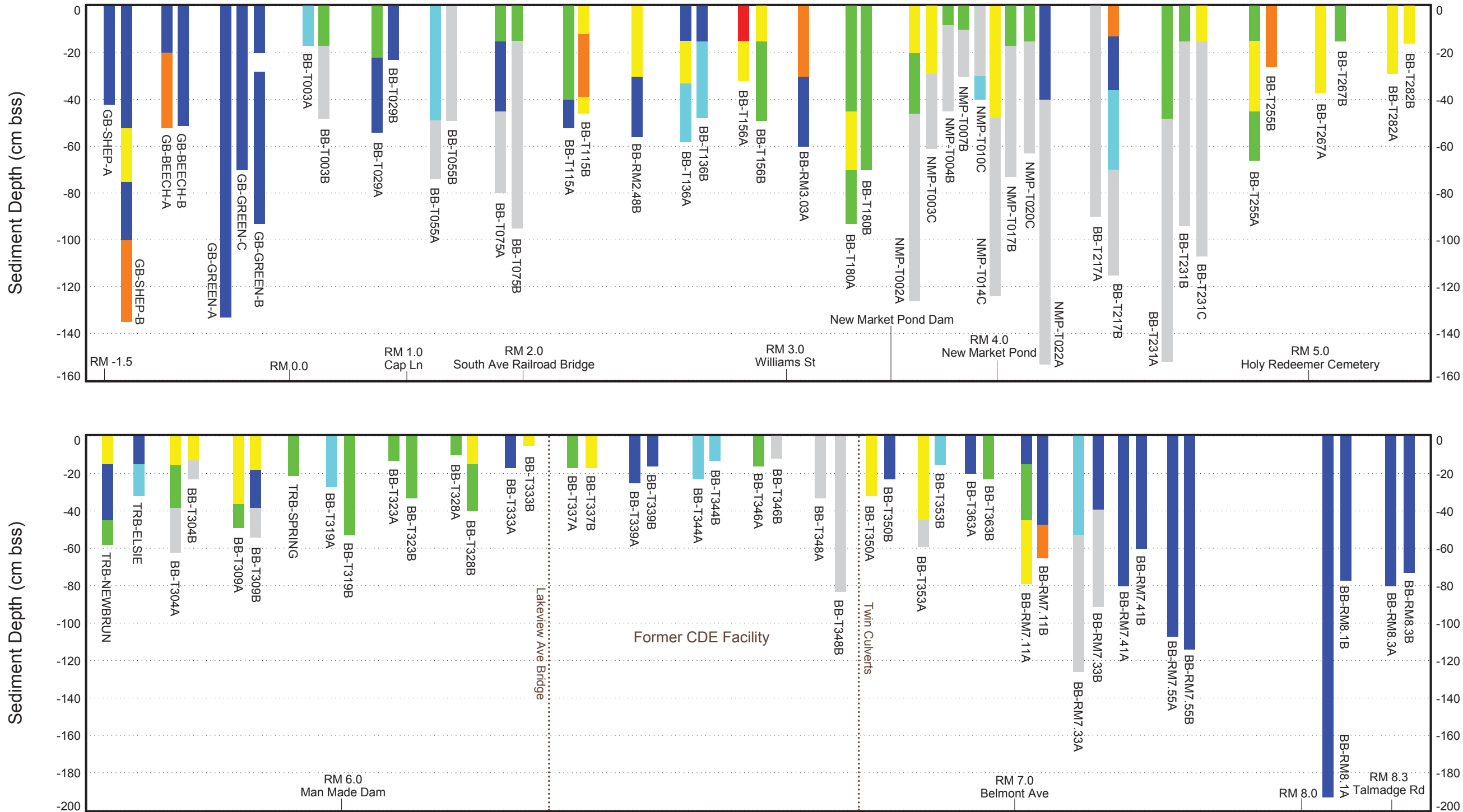
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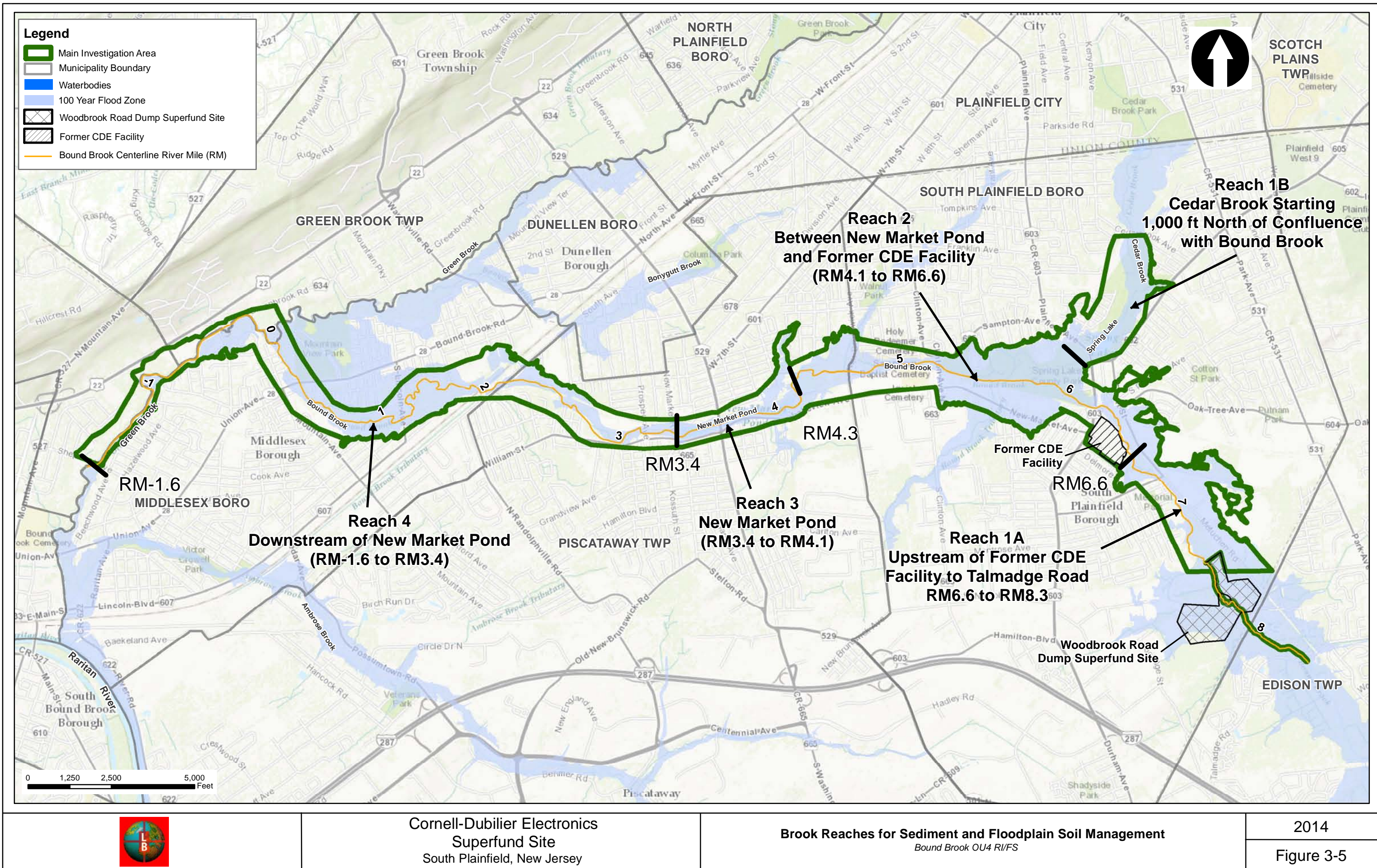
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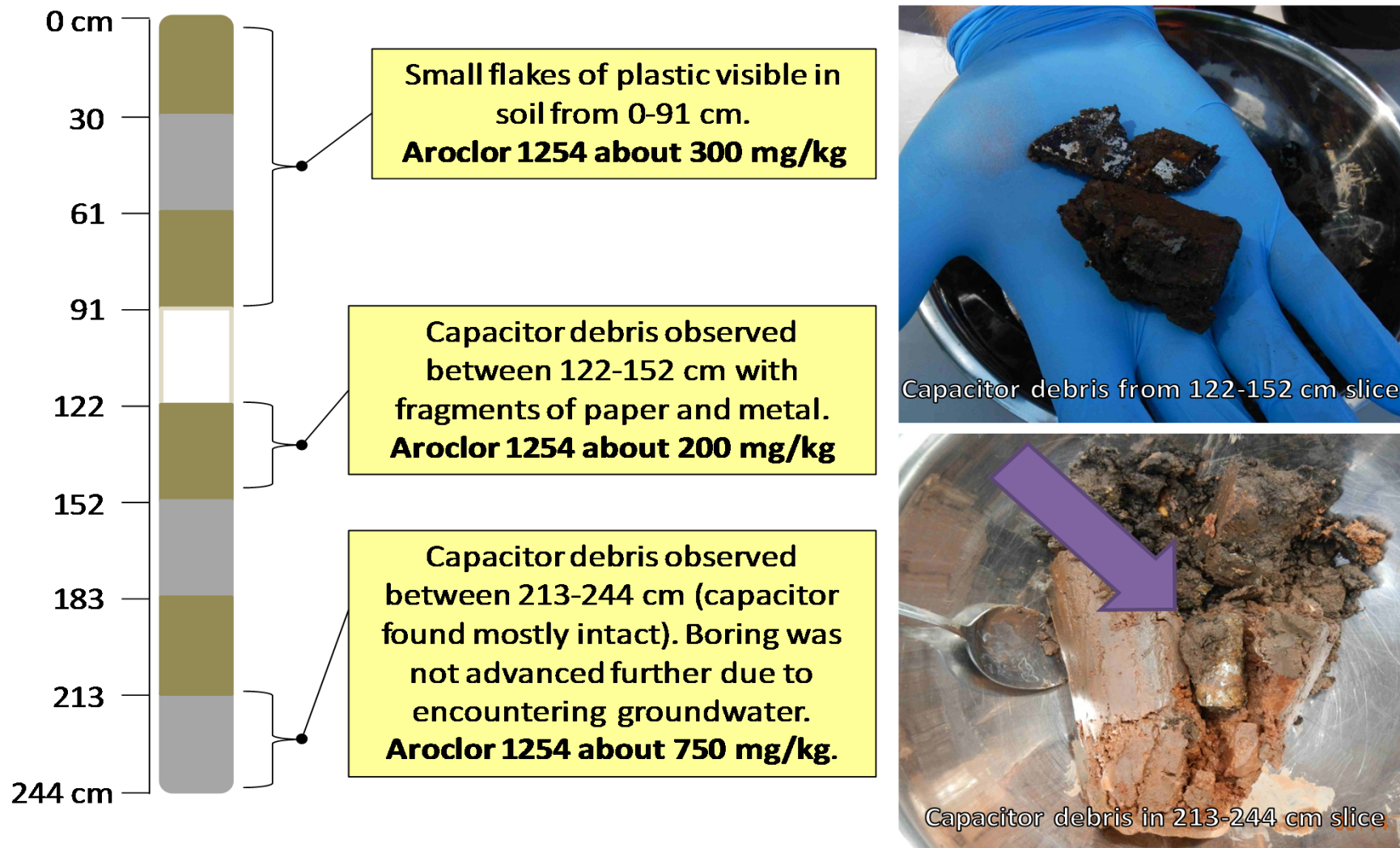




Cornell-Dubilier Electronics
Superfund Site
South Plainfield, New Jersey

CD RAA Sampling Results
Bound Brook OU4 RI/FS

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Figure 3-6

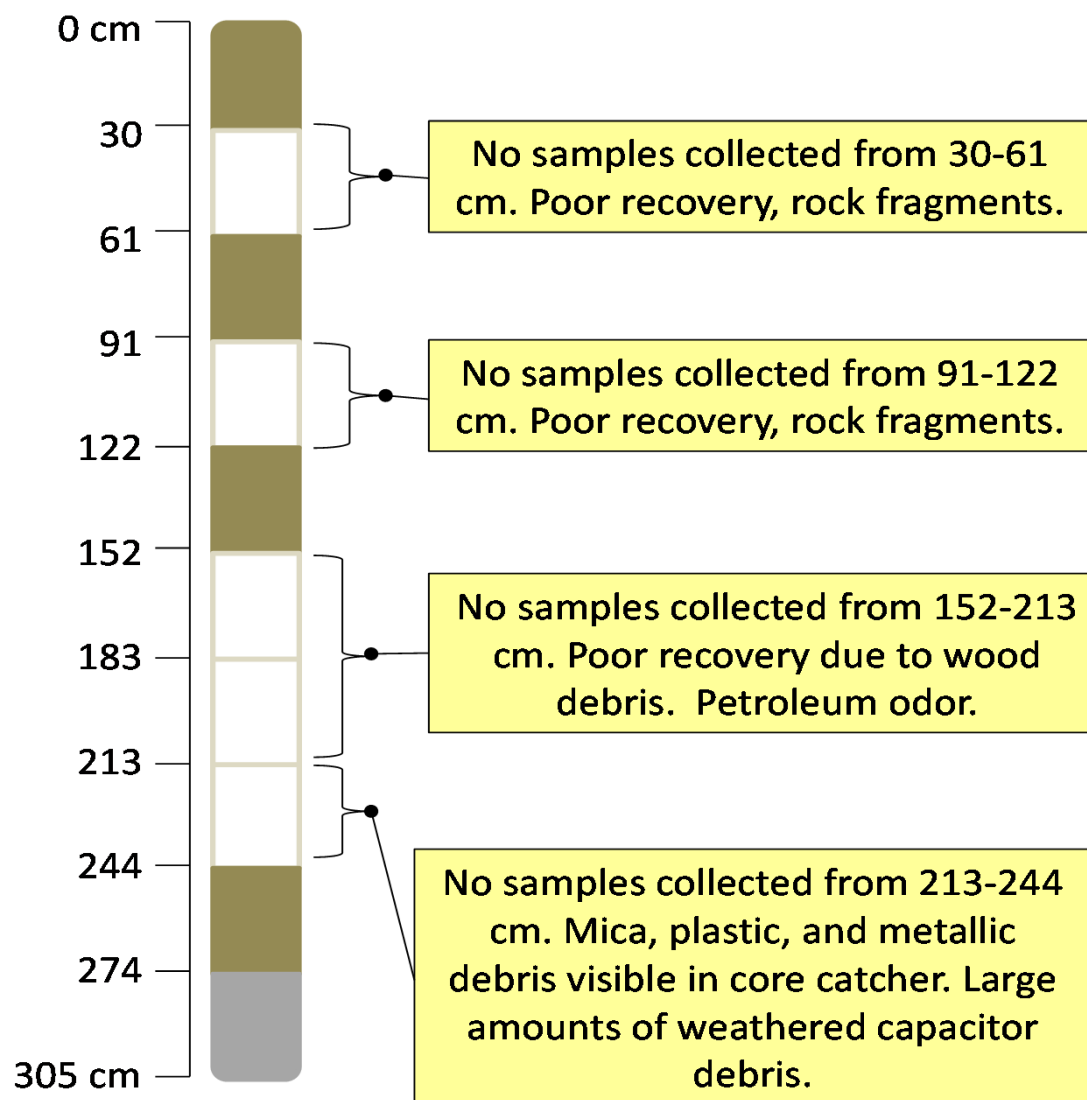


Cornell-Dubilier Electronics
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South Plainfield, NJ

Schematic of Deep Soil Boring "C" Collected via
Split Spoon
Bound Brook OU4 RI/FS

2014

Figure 3-7

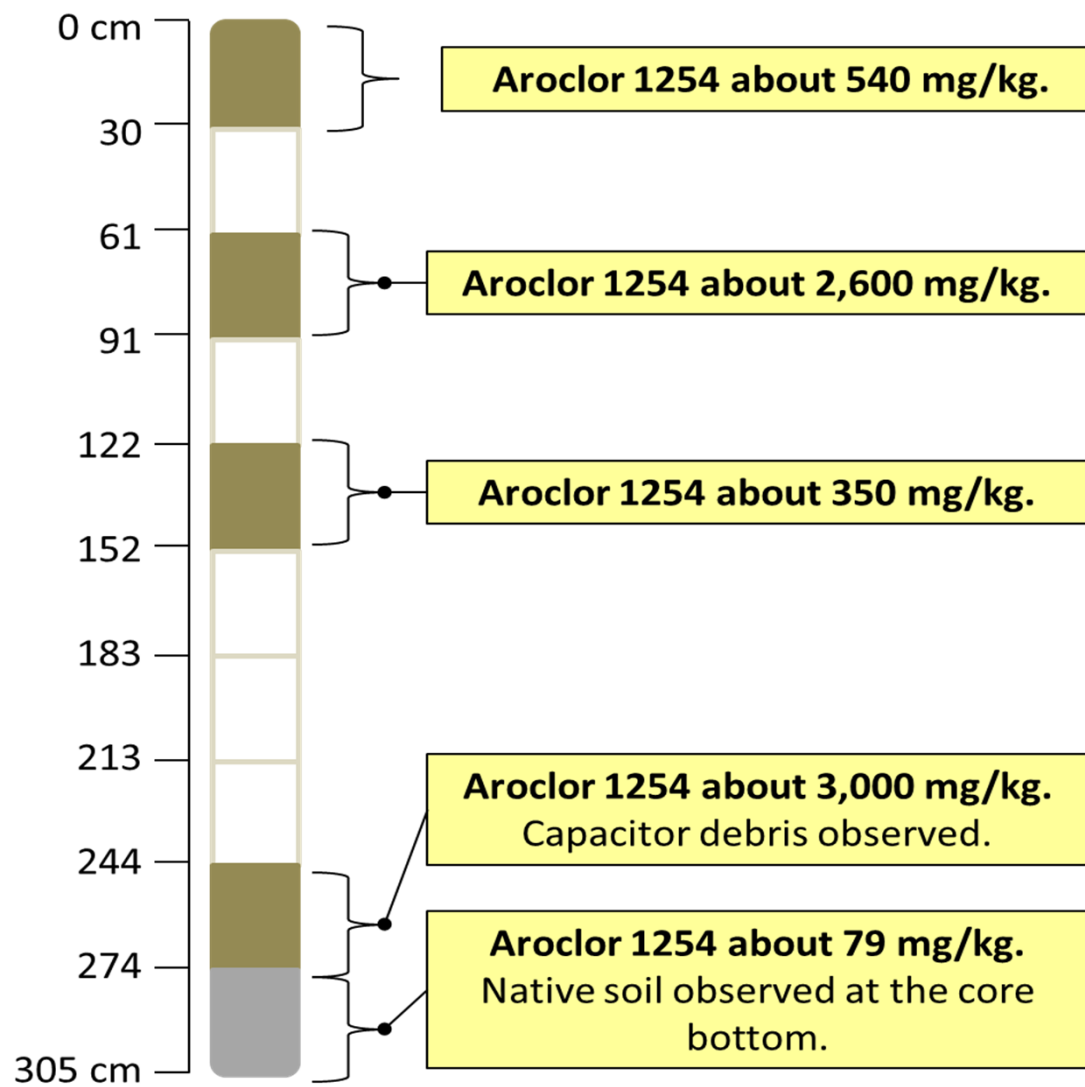


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Schematic of Deep Soil Boring "D" Collected via
Split Spoon
Bound Brook OU4 RI/FS

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Figure 3-8a

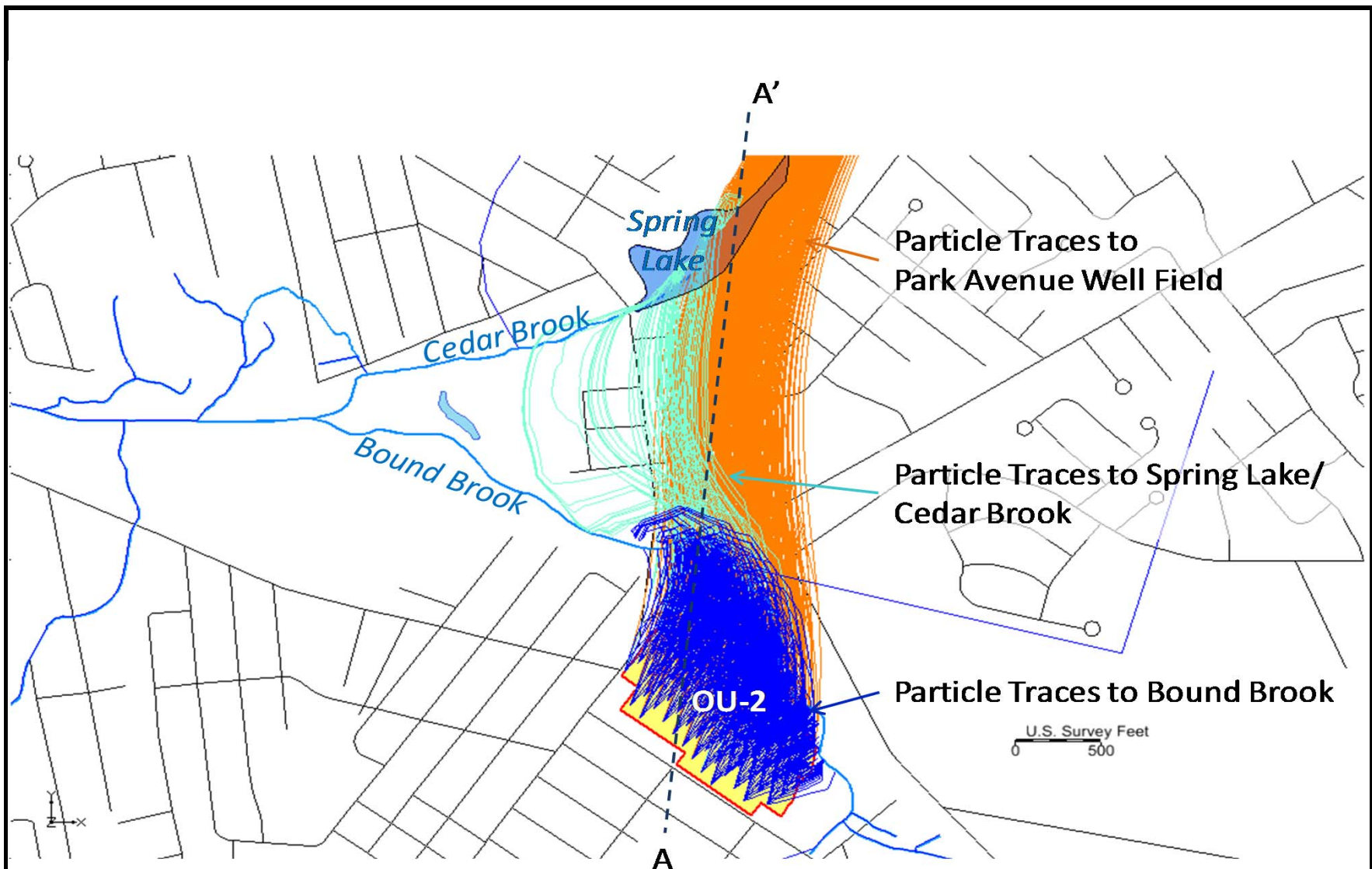


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Schematic of Deep Soil Boring "D" Collected via
Split Spoon
Bound Brook OU4 RI/FS

2014

Figure 3-8b

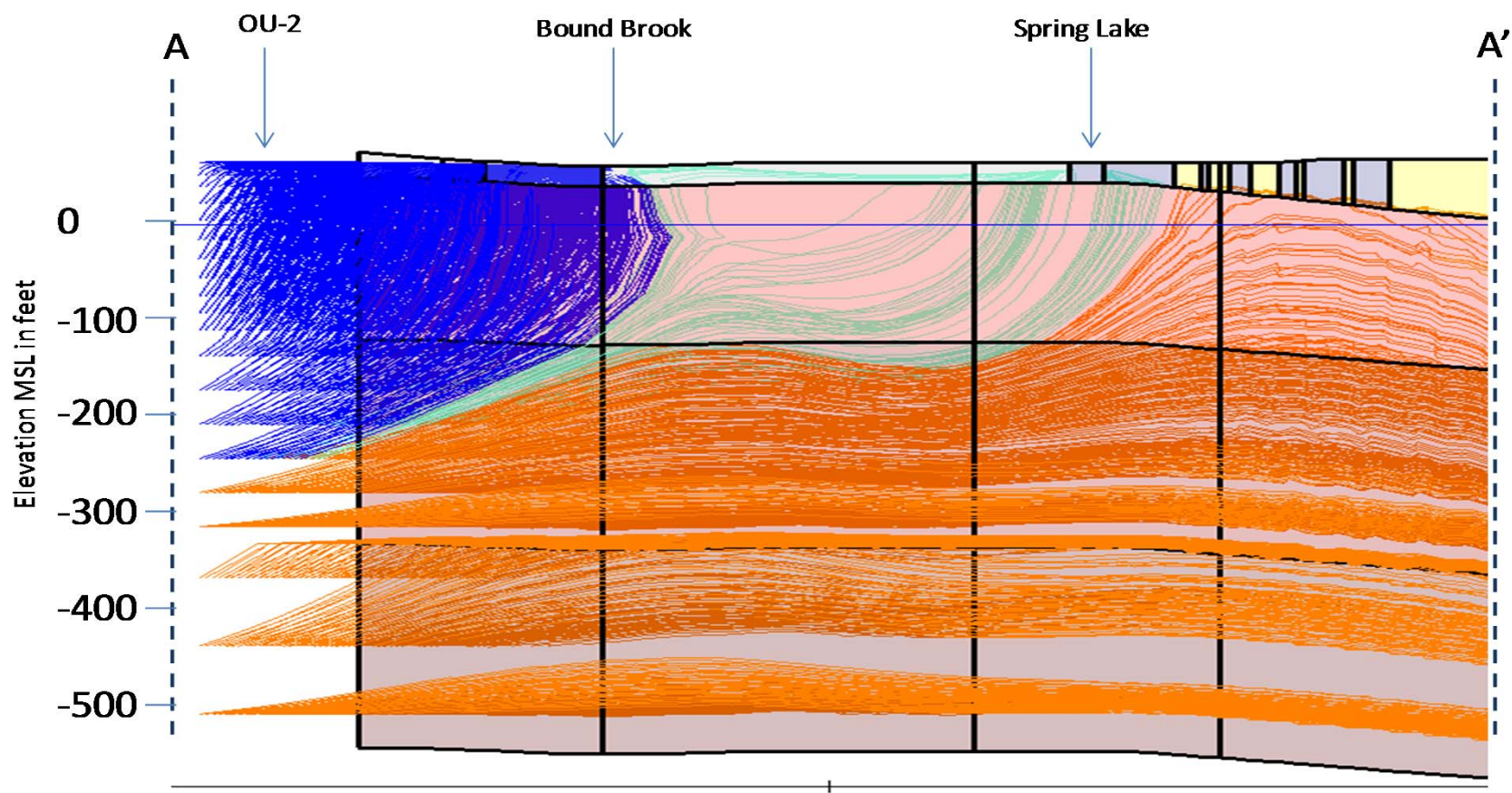


Cornell-Dubilier Electronics
Superfund Site
South Plainfield, NJ

OU3 RI Model-Predicted Particle Traces
from Former CDE Facility
Bound Brook OU4 RI/FS

2014

Figure 3-9a



Cornell-Dubilier Electronics
Superfund Site
South Plainfield, NJ

**OU3 RI Model-Predicted Particle Traces
from Former CDE Facility
Cross Section A – A'**
Bound Brook OU4 RI/FS

2014

Figure 3-9b



Legend

Existing Water Line

Former CDE Facility

Notes:
Utility Data provided by
New Jersey American Water.

Aerial Base Map Service -
obtained by ESRI provided by
Microsoft Corp © 2008 - 2012.



0 50 100 200 300 400
Feet

Existing Water Line

Source: Esri, DigitalGlobe, GeoEye, Earthstar, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community



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Superfund Site
South Plainfield, New Jersey

Water Line
Bound Brook OU4 RI/FS

2014

Figure 3-10

